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Fig. -1

TRAFFIC COMPLEX

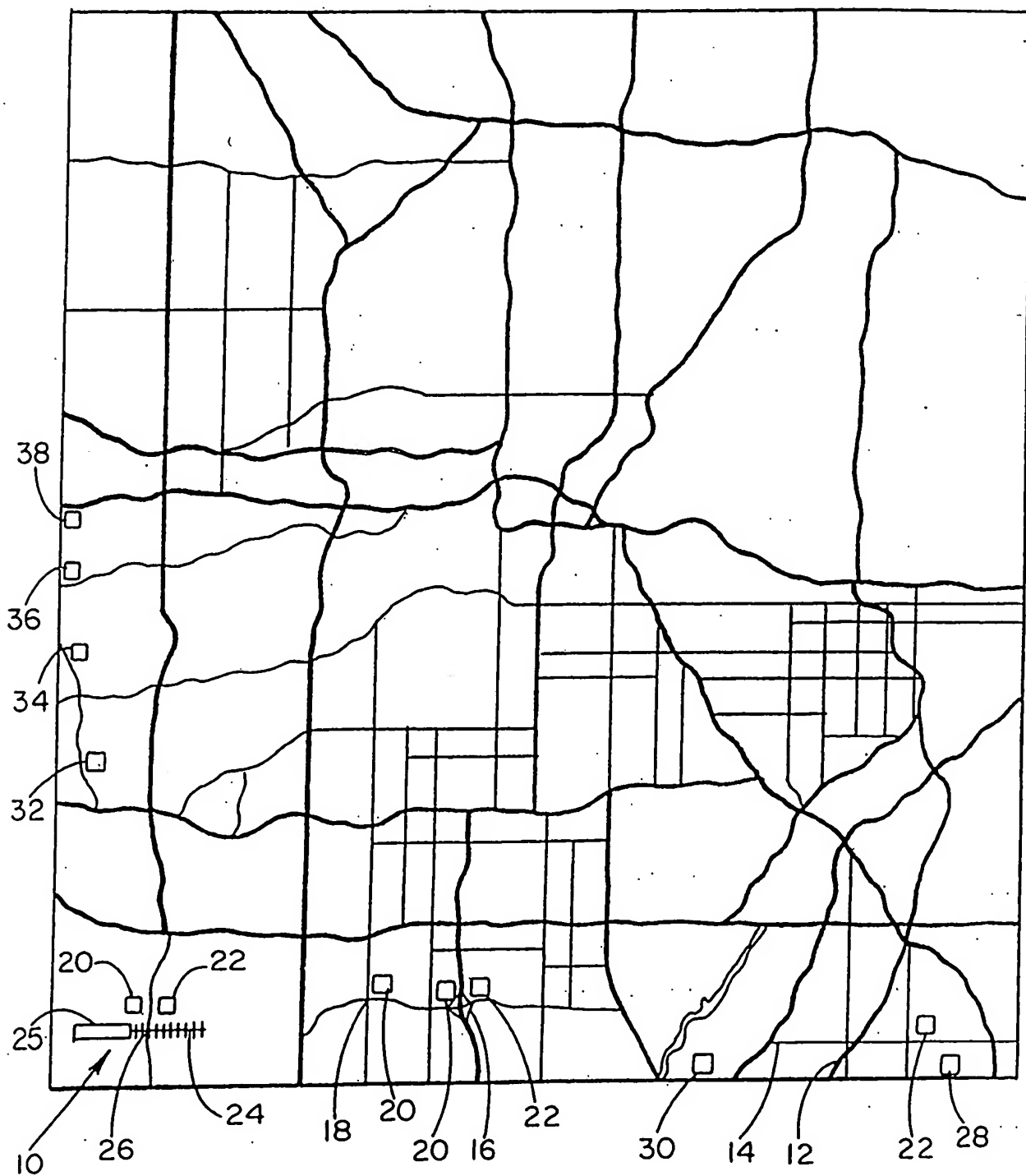


Fig. -2

COMMUNICATION IN TRAFFIC COMPLEX

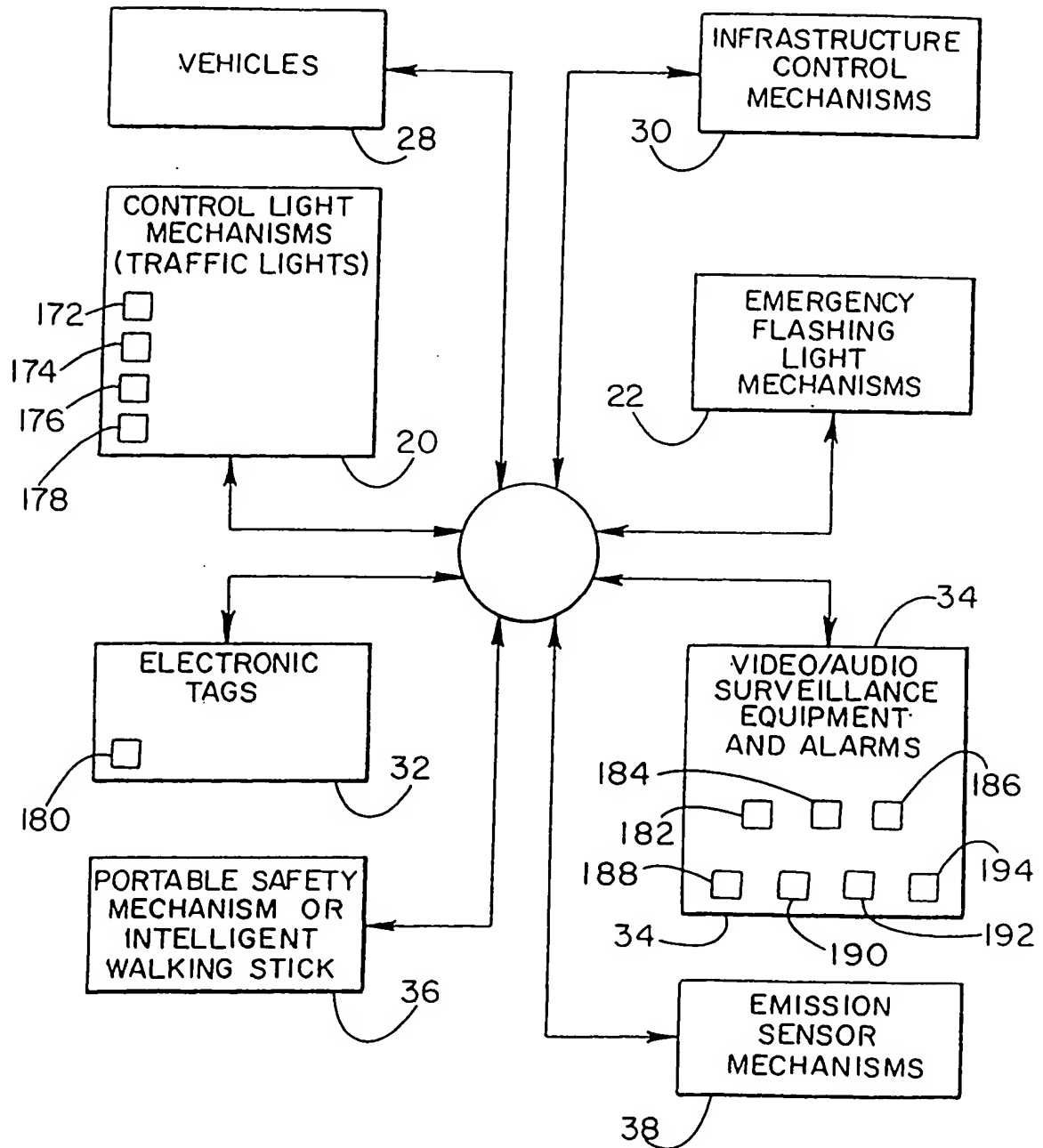


Fig. - 3A

VEHICLE

(AUTOMOBILE, TRUCK, BUS, EMERGENCY VEHICLE,
RIGHT-OF-WAY VEHICLES)

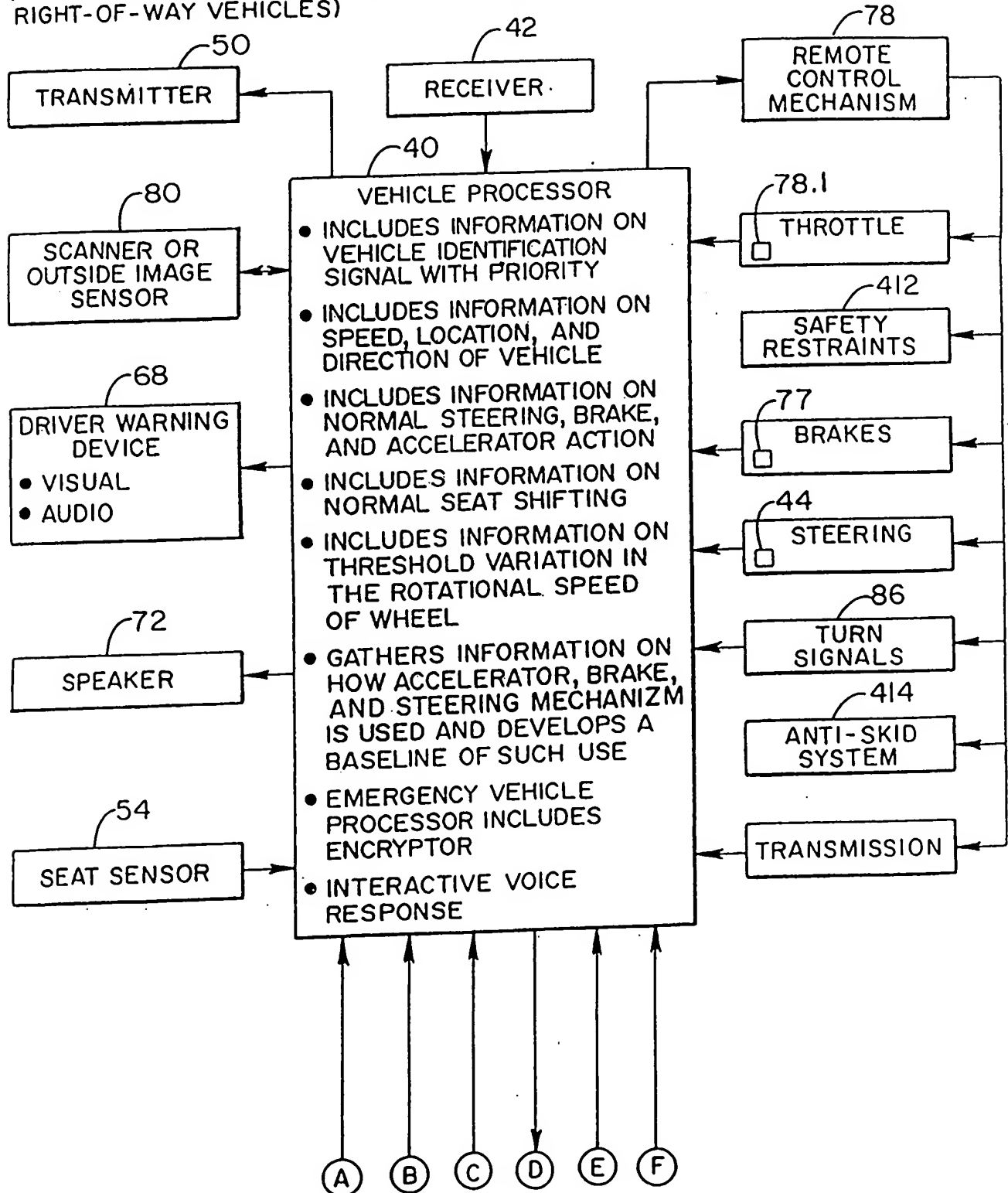


Fig.-3B

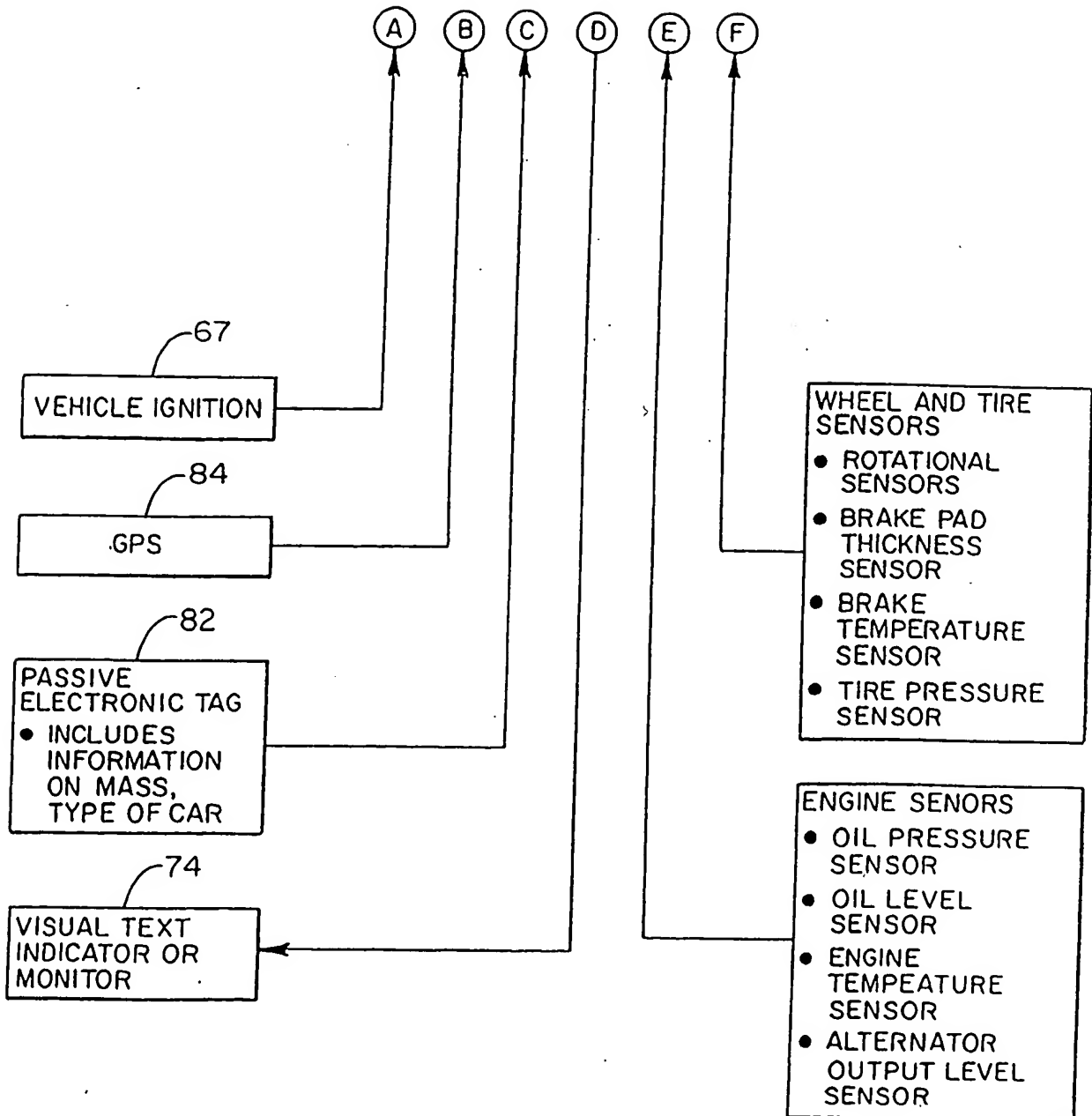


Fig.-4

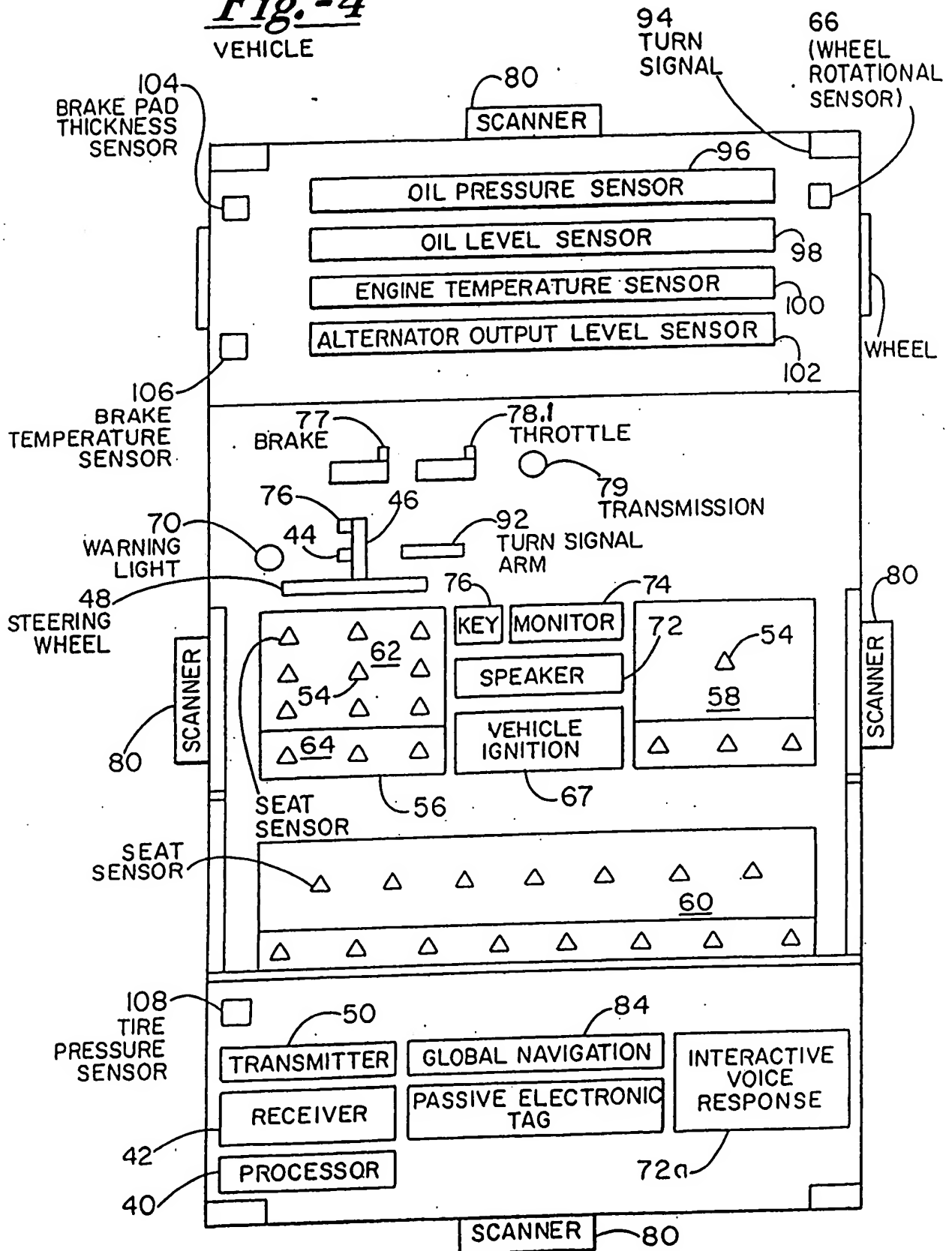


Fig.-5A

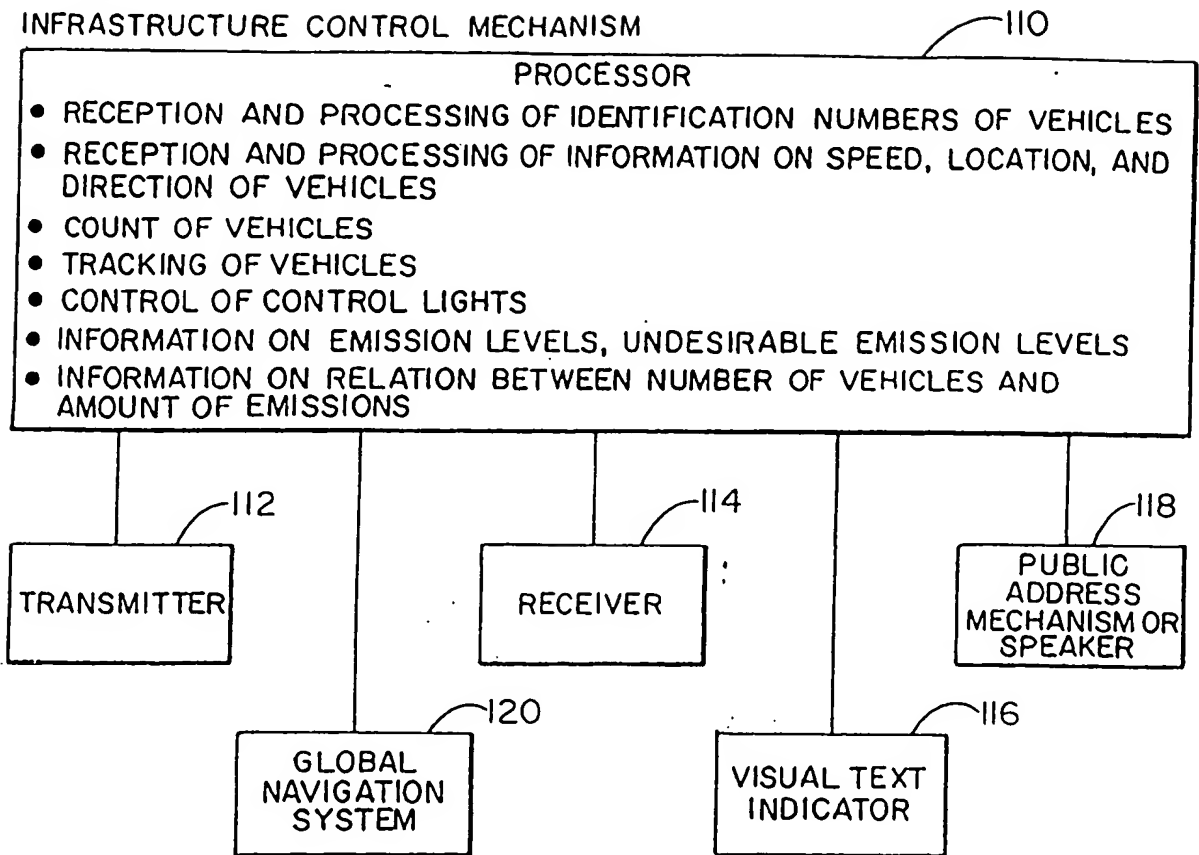


Fig.-5B

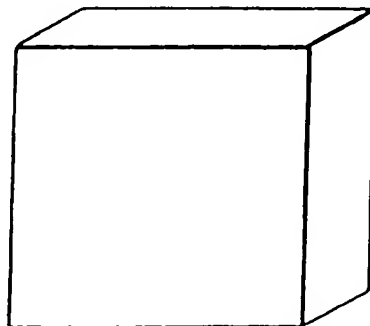


Fig.-6A

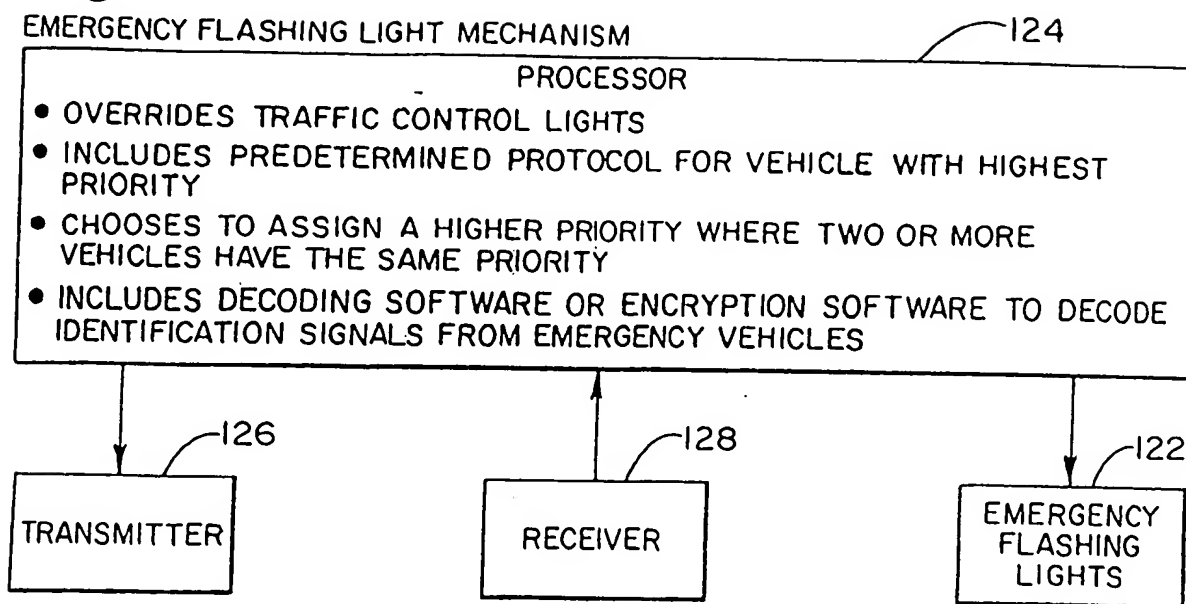


Fig.-6B

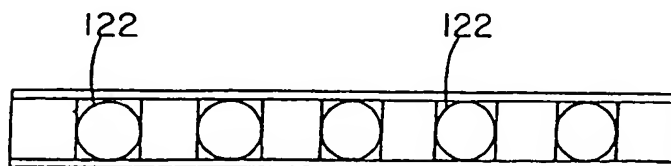


Fig.-7A

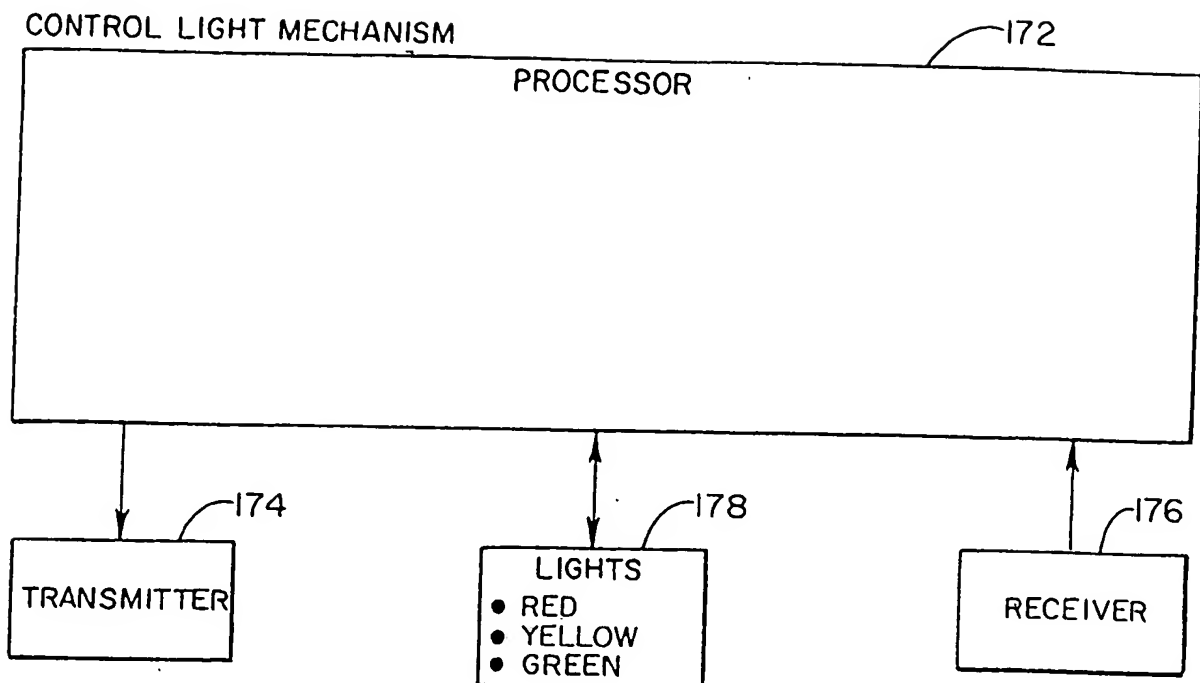


Fig.-7B

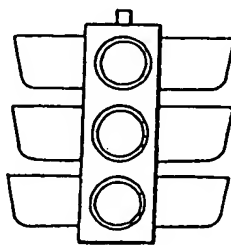


Fig. -8A

VIDEO/AUDIO SURVEILLANCE AND ALARM EQUIPMENT

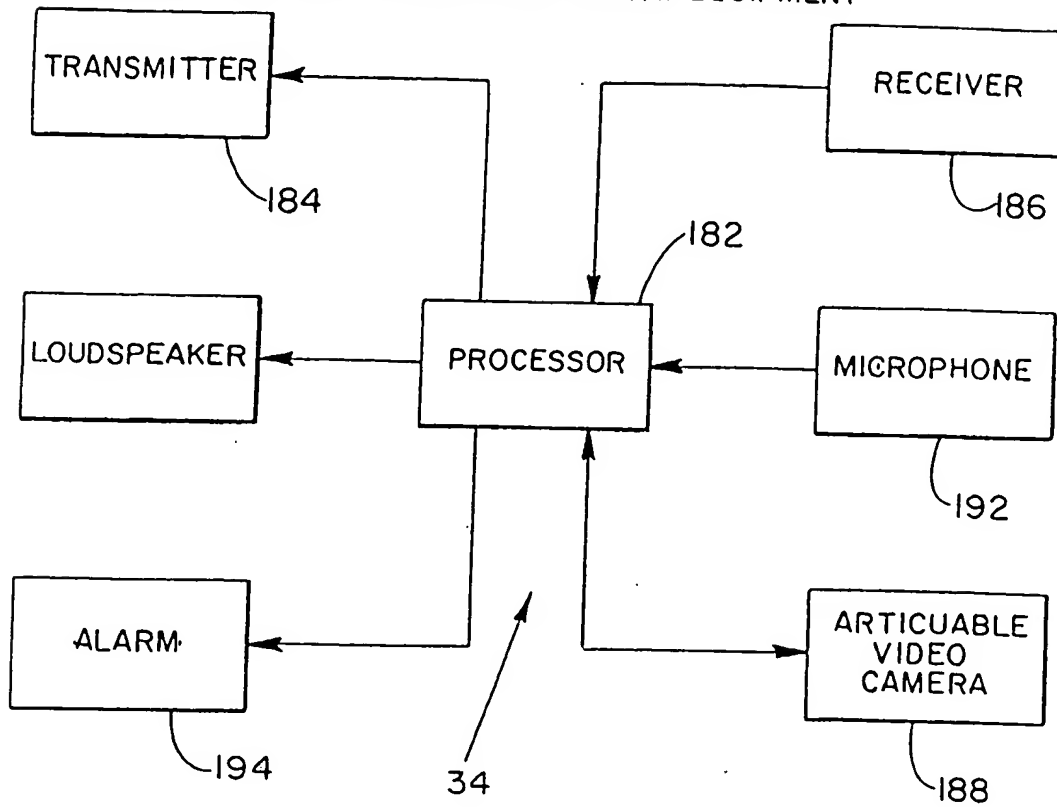


Fig. -8B

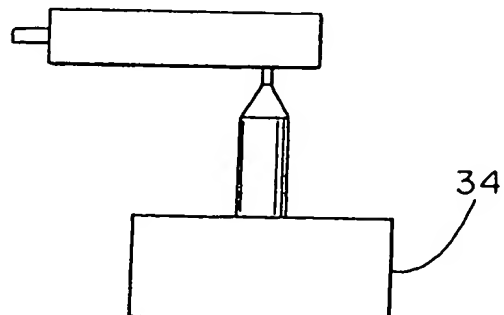


Fig.-9A

EMISSION SENSOR MECHANISM

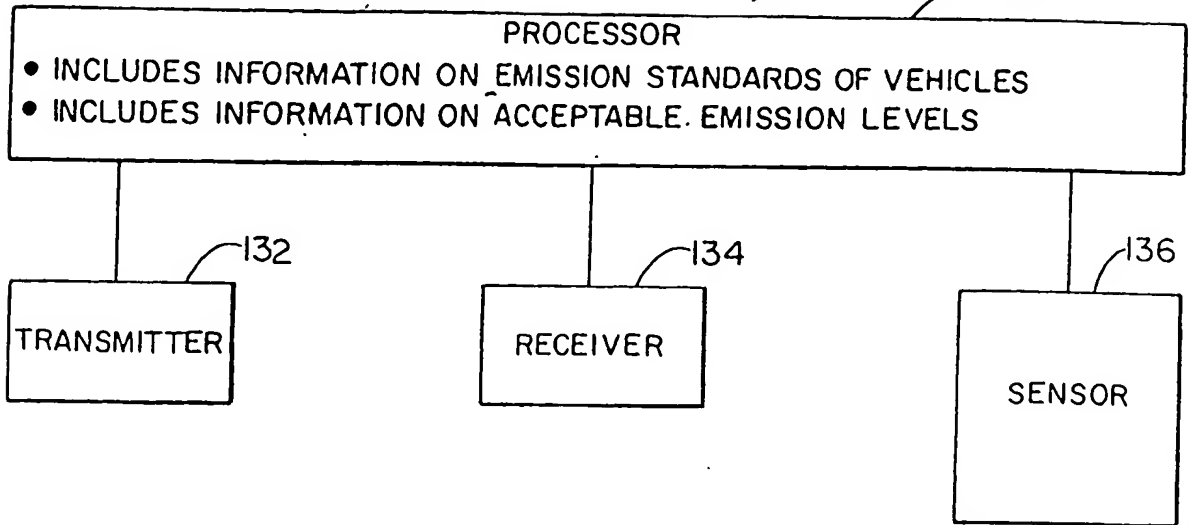


Fig.-9B

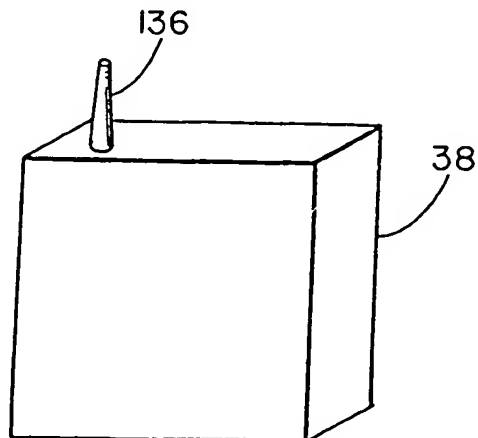


Fig. -10A

ELECTRONIC TAG MECHANISM

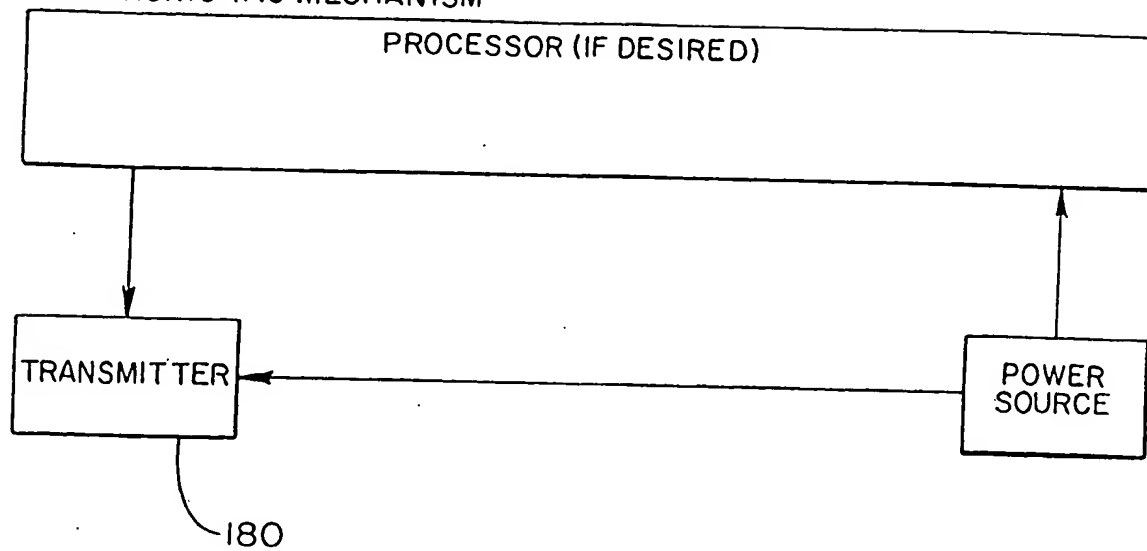


Fig. -10B

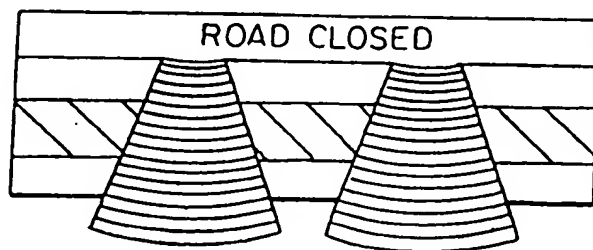


Fig.-11A

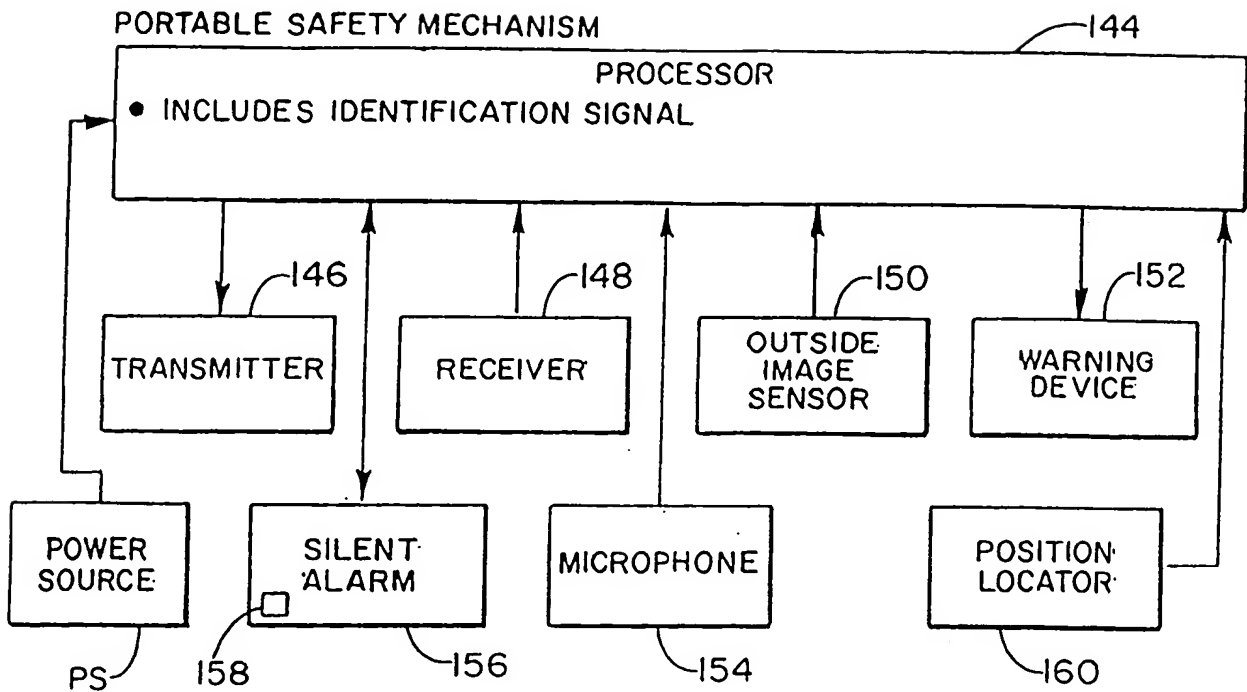


Fig.-11B

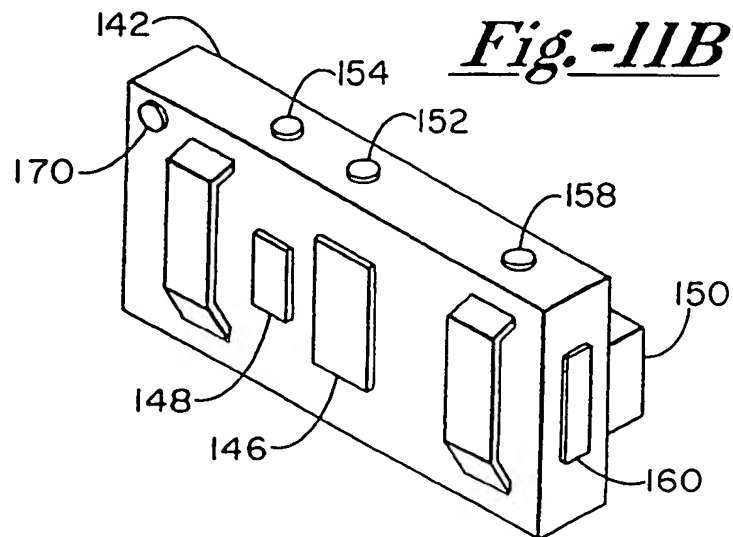


Fig.-12B

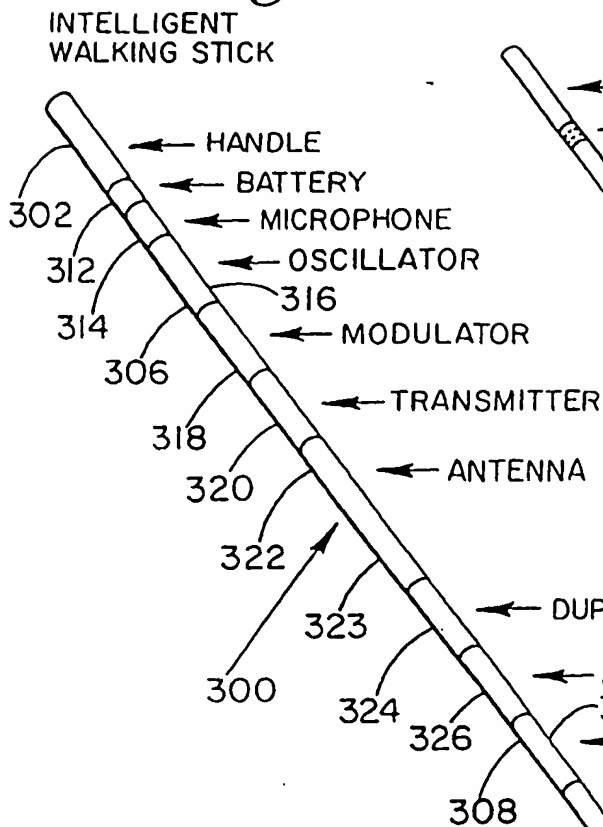


Fig.-12C

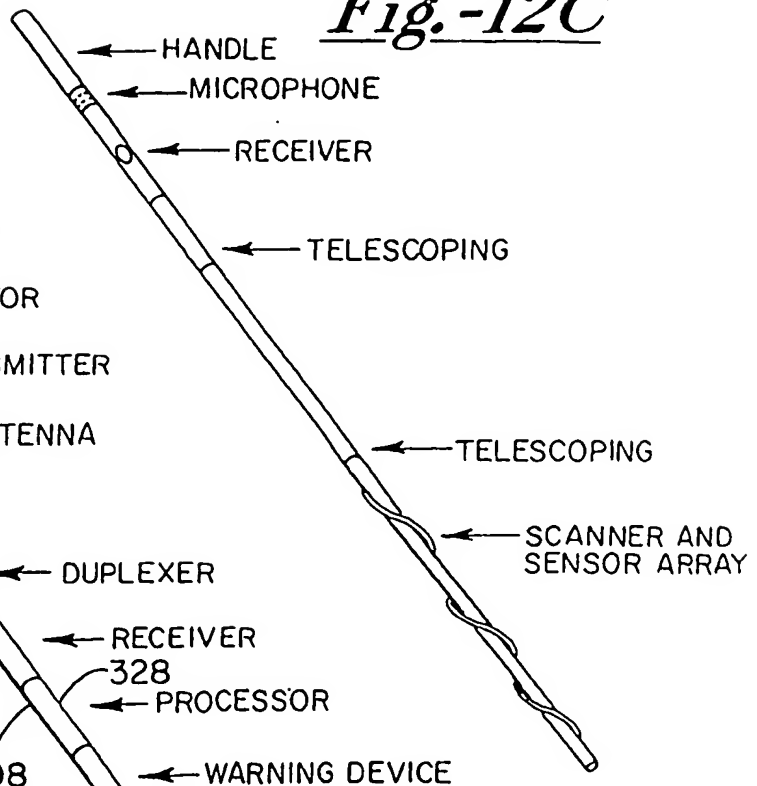


Fig.-12A

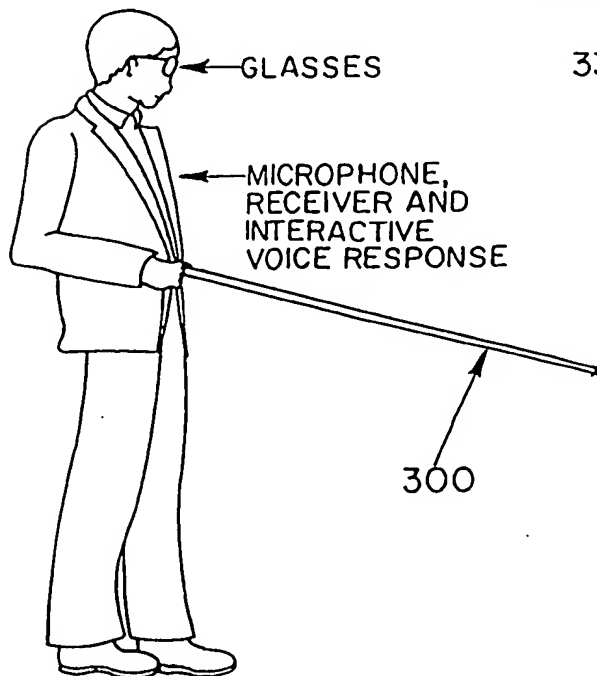


Fig. -13

COMMUNICATIONS

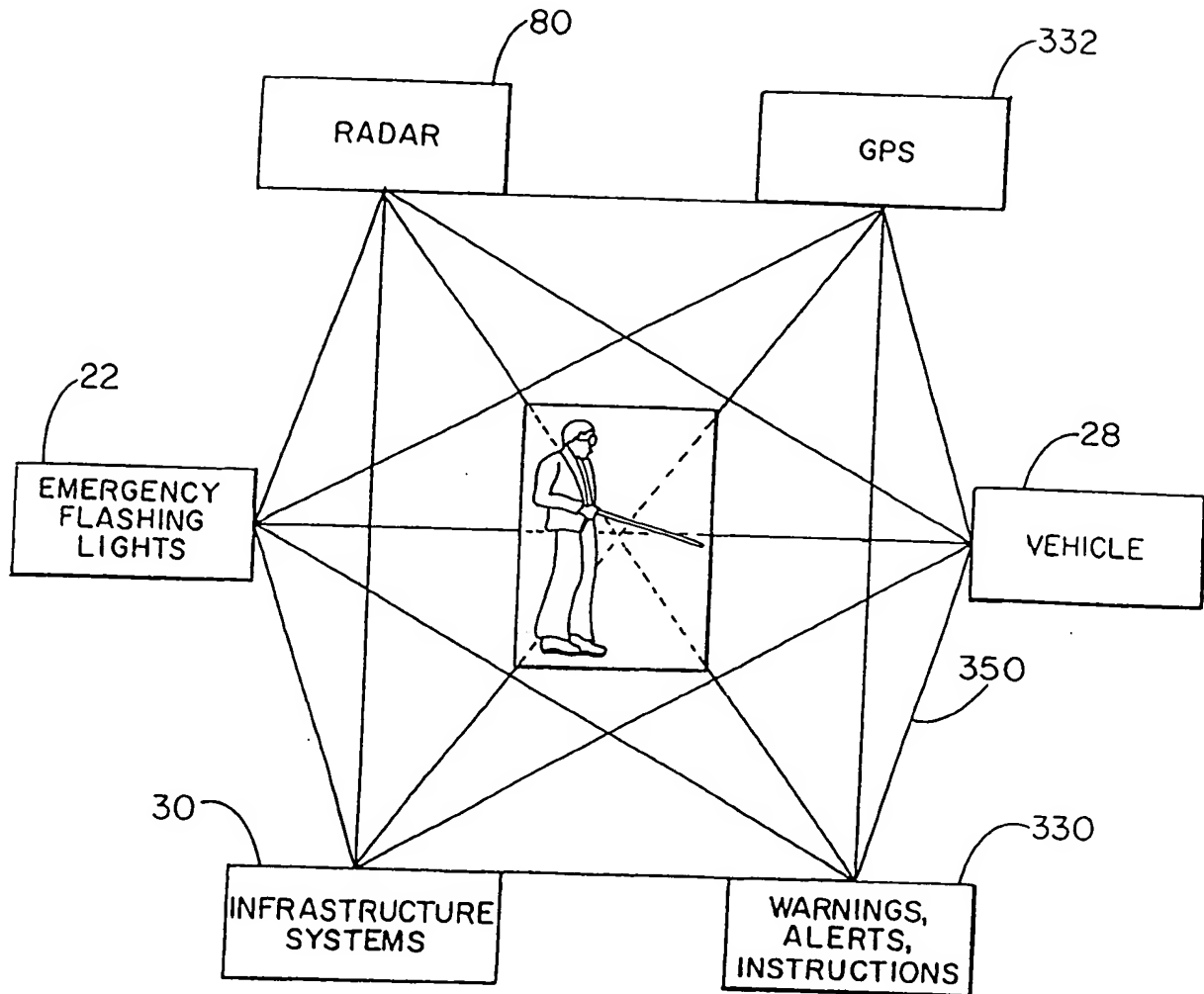


Fig.-14A

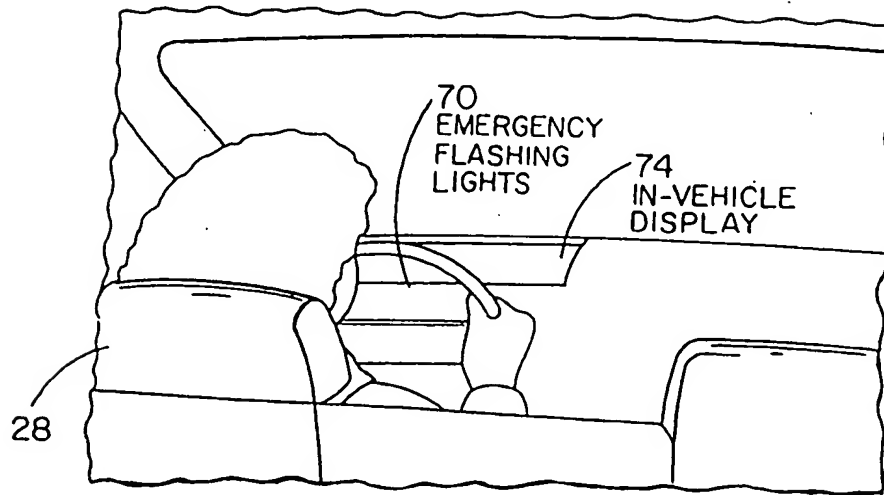


Fig.-14B

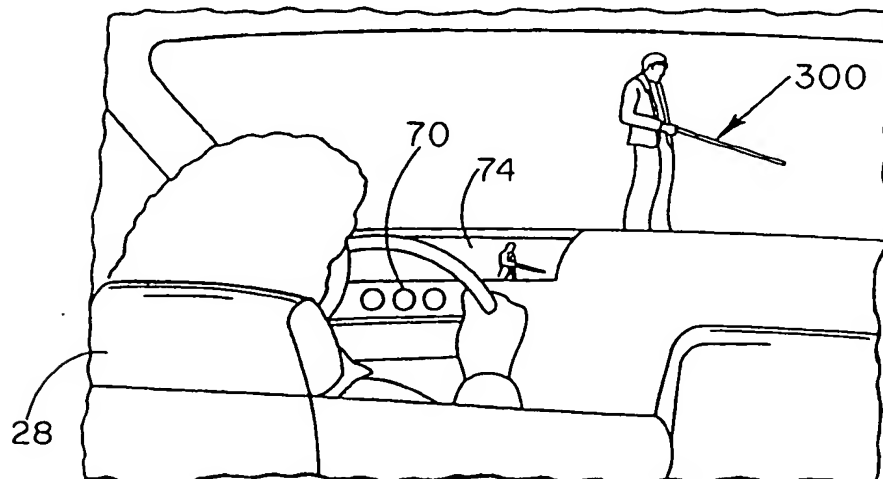


Fig. -15A

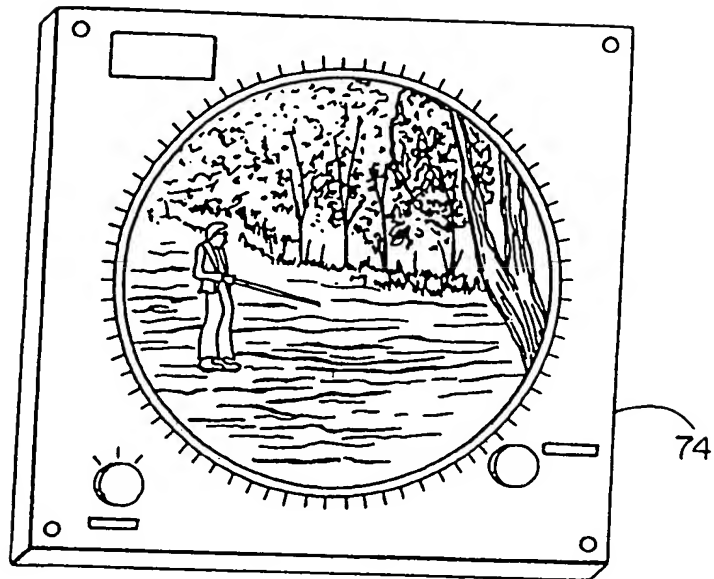


Fig. -15B

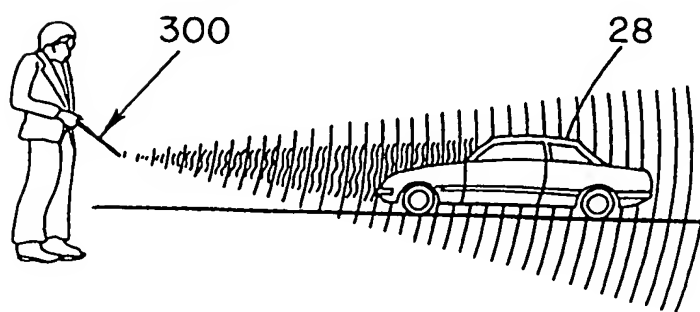


Fig. -16A

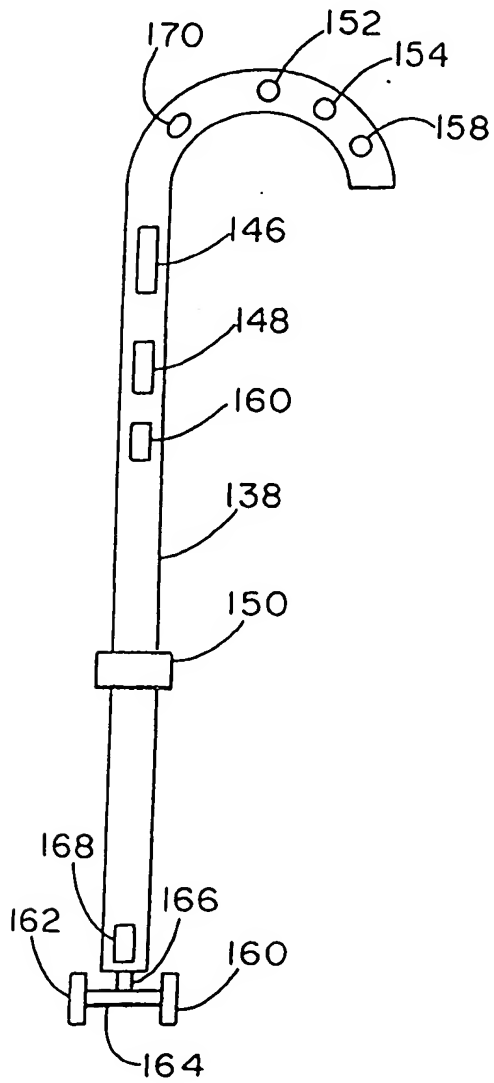


Fig. -16B

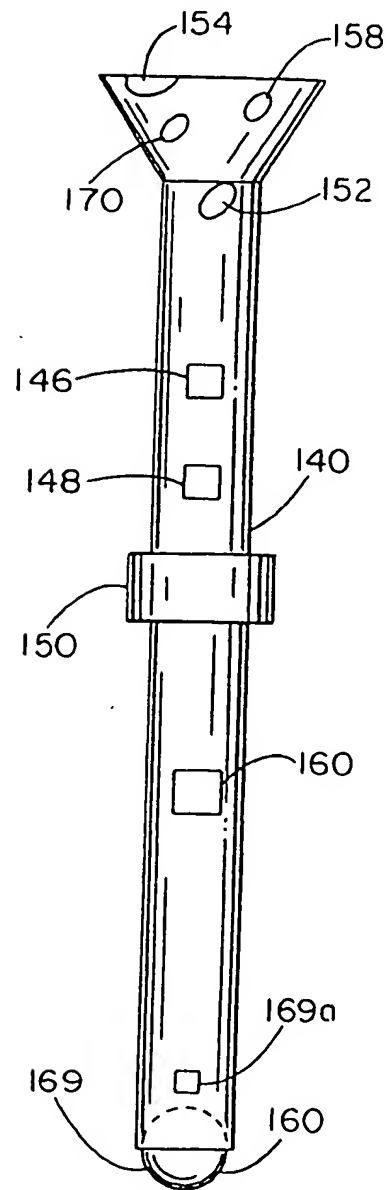


Fig.-17A
ANTISKID SYSTEM

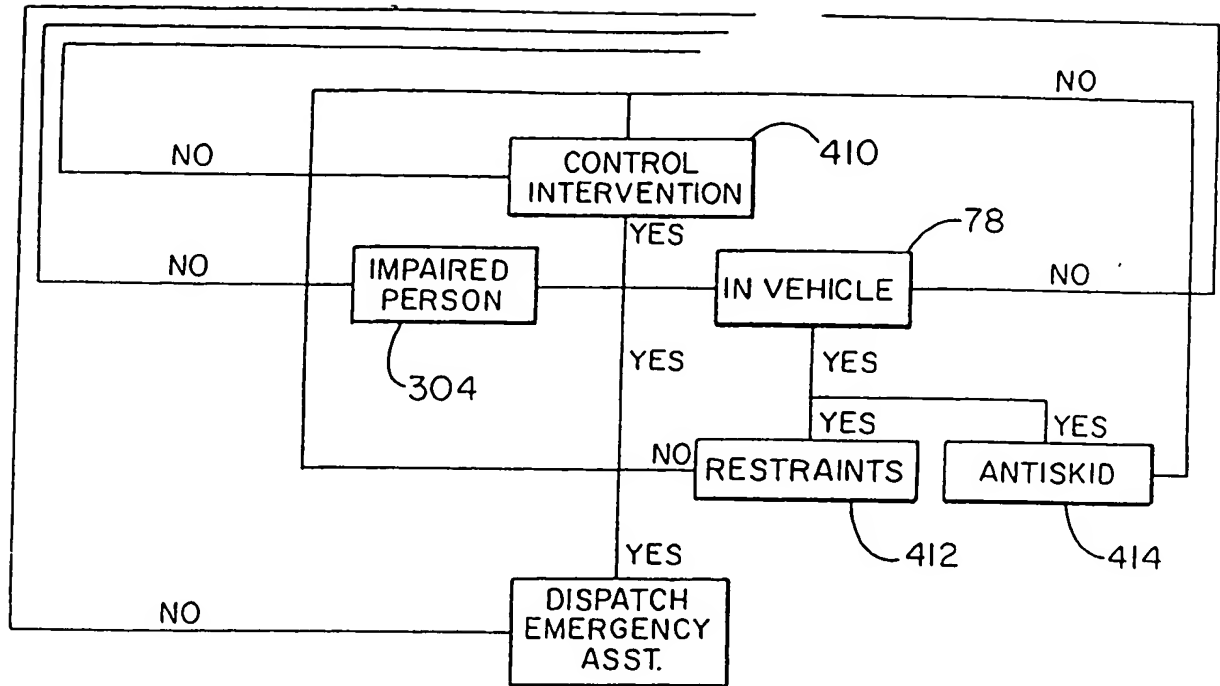


Fig.-17B

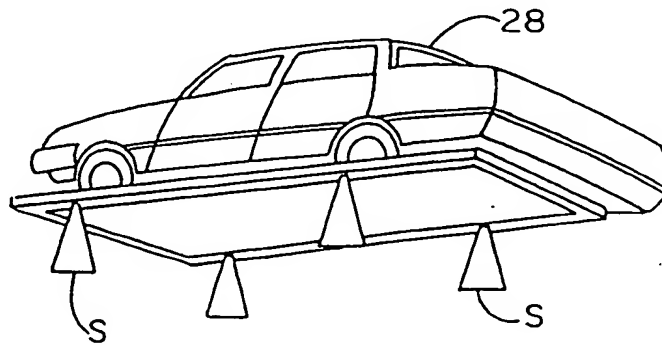
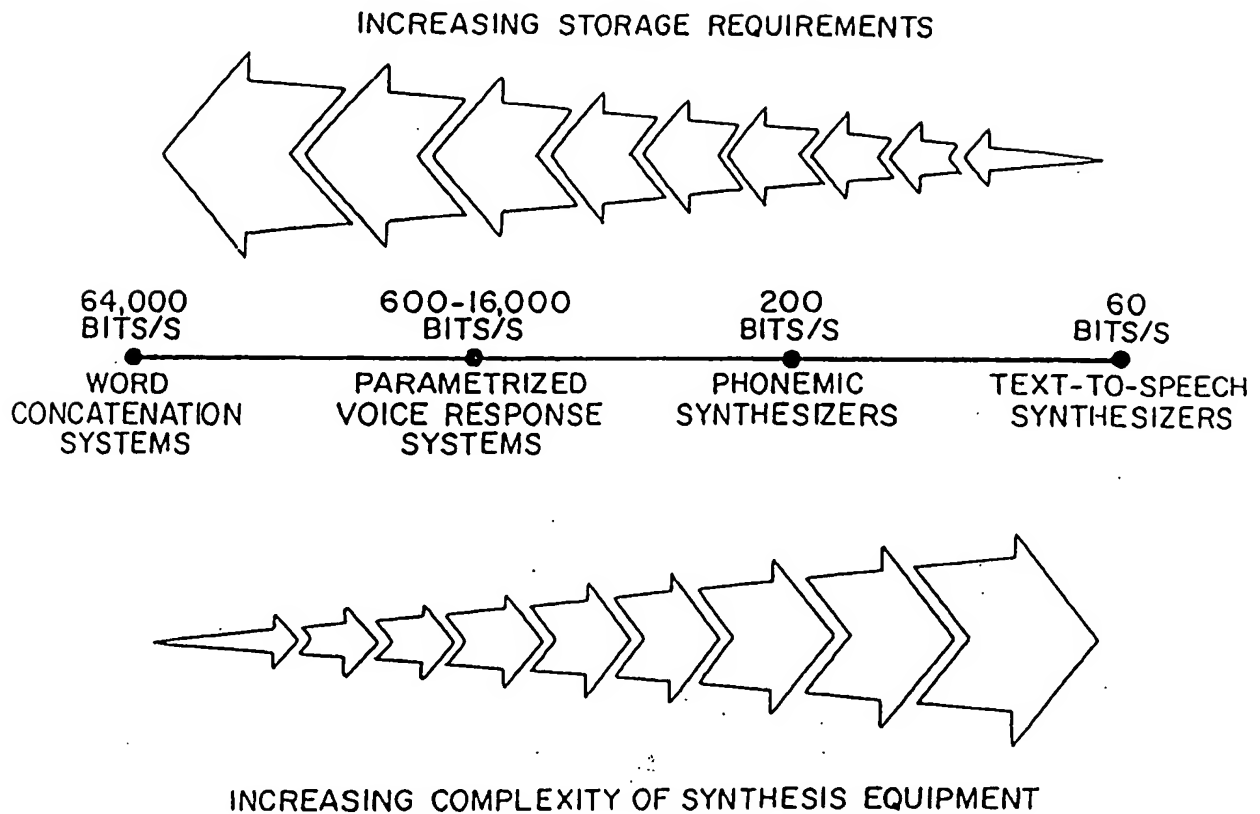


Fig.-18 (PRIOR ART)

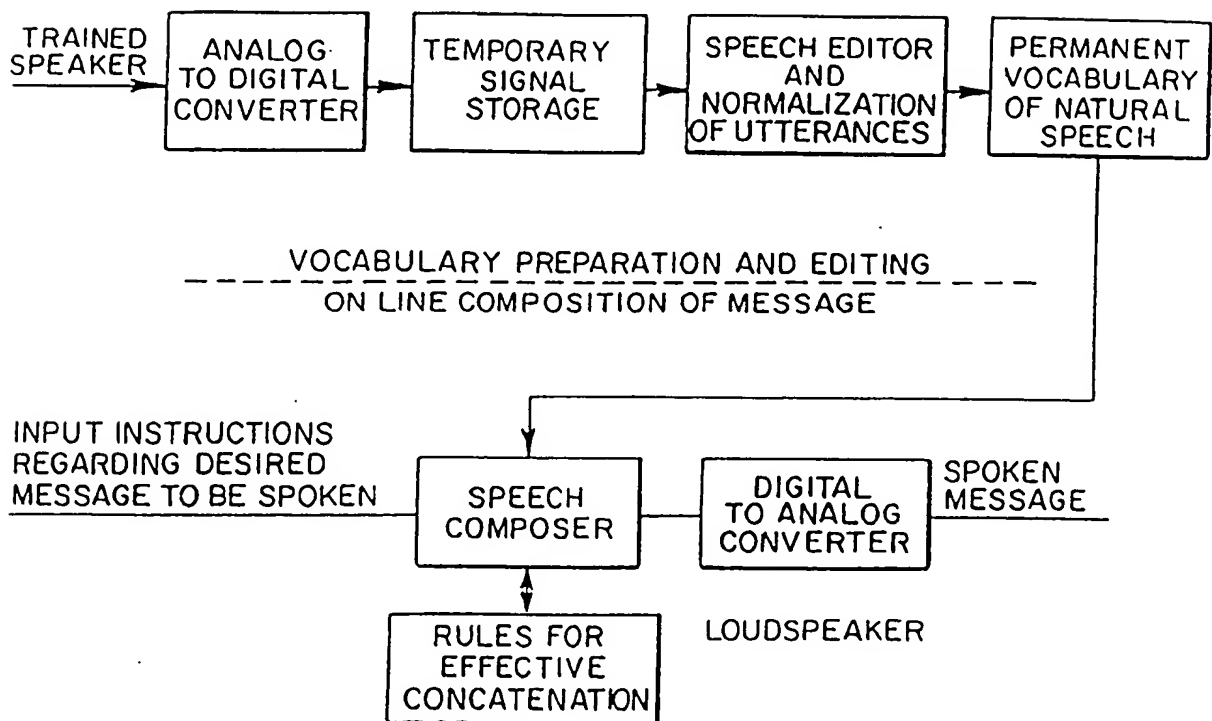
INTERACTIVE VOICE RESPONSE



SPECTRUM OF ALTERNATIVE TYPES OF
VOICE RESPONSE SYSTEMS.

Fig. -19A (PRIOR ART)

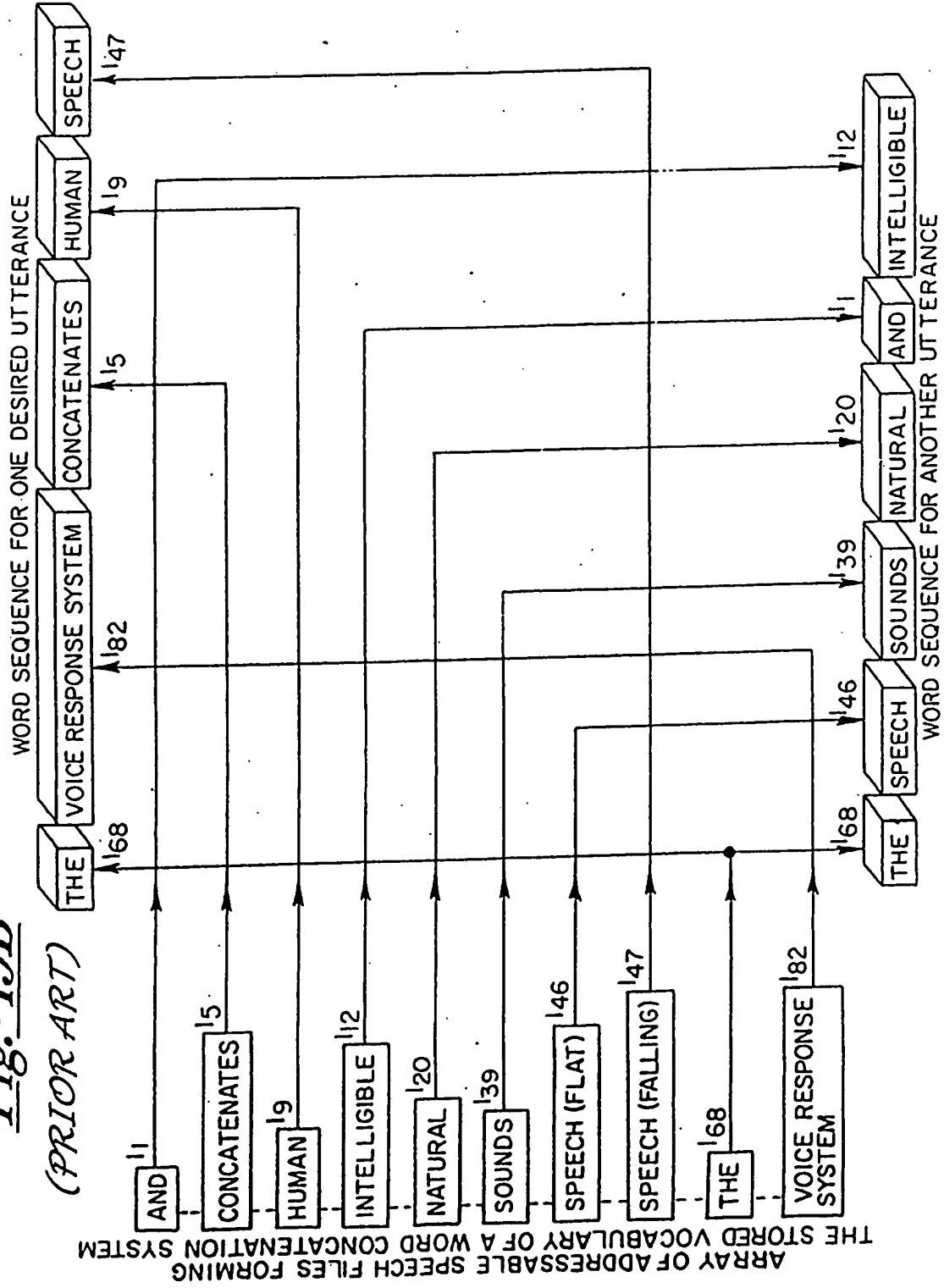
INTERACTIVE VOICE RESPONSE



VOICE RESPONSE SYSTEM WHICH IS BASED UPON CONCATENATION OF WORDS SPOKEN BY A HUMAN.

Fig.-19B

(PRIOR ART)



WAVEFORMS OF WORDS OR PHRASES FROM THE DICTIONARY ARE CONNECTED END TO END TO ACHIEVE CONNECTED VOICE OUTPUT FROM A WORD CONCATENATION SYSTEM.

(PRIOR ART)

Fig. -20A

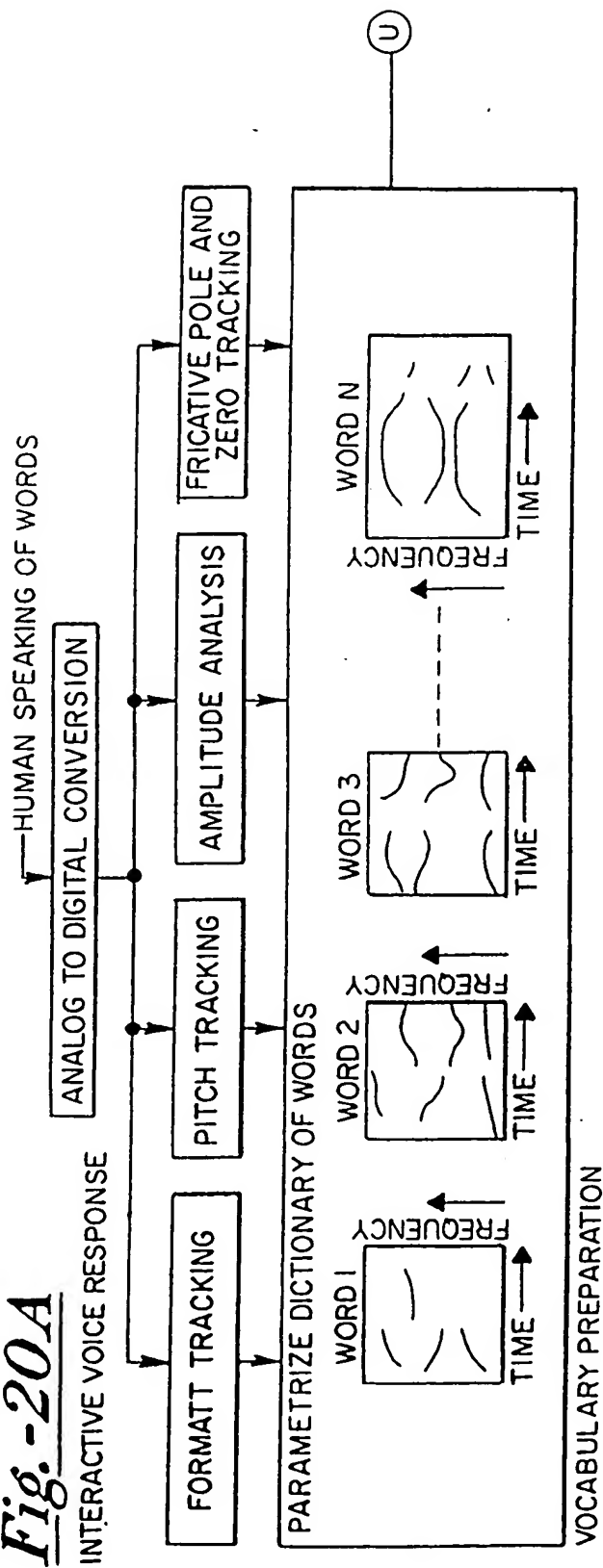


Fig.-20B (PRIOR ART)

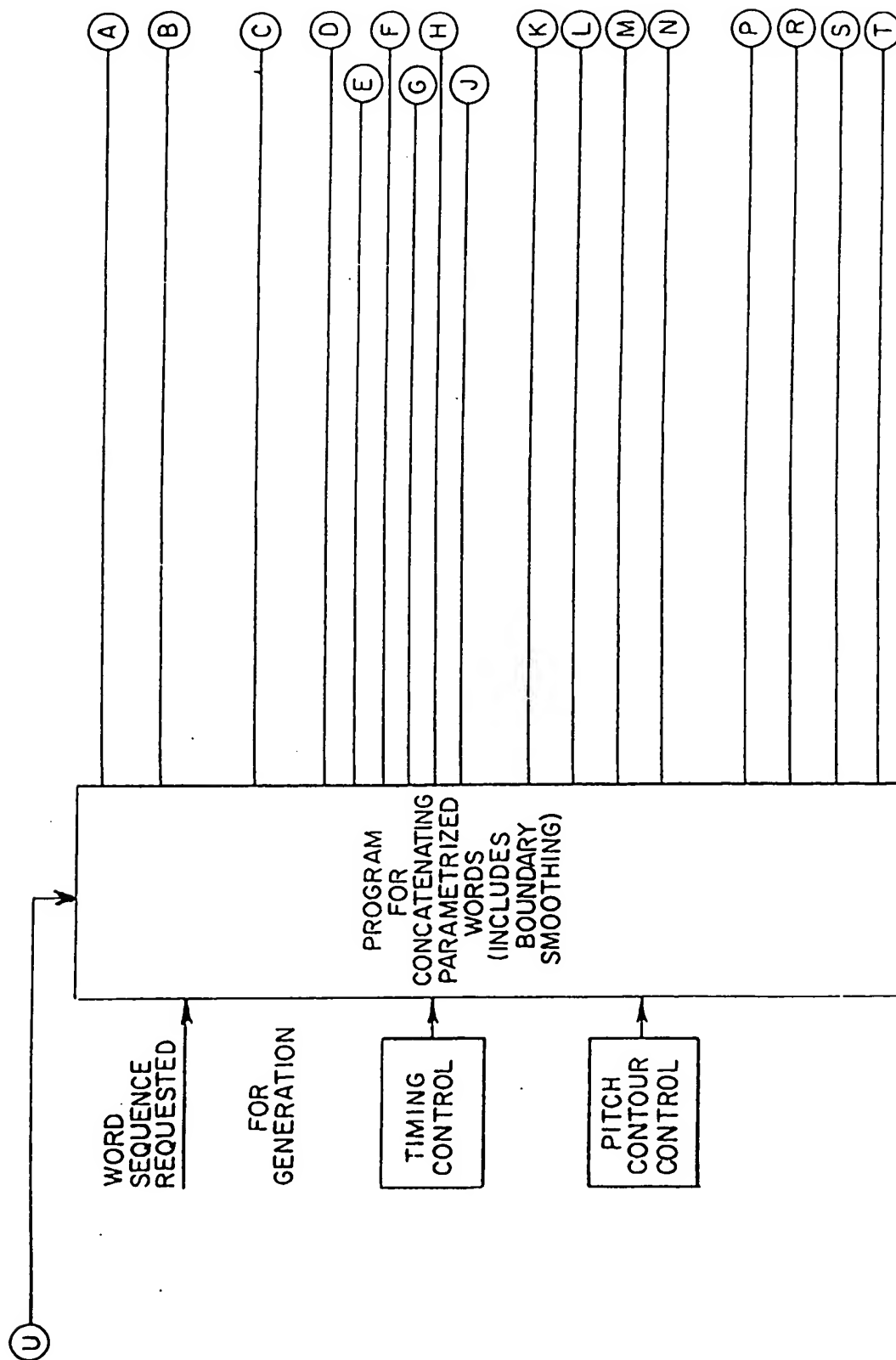


Fig.-20C (PRIOR ART)

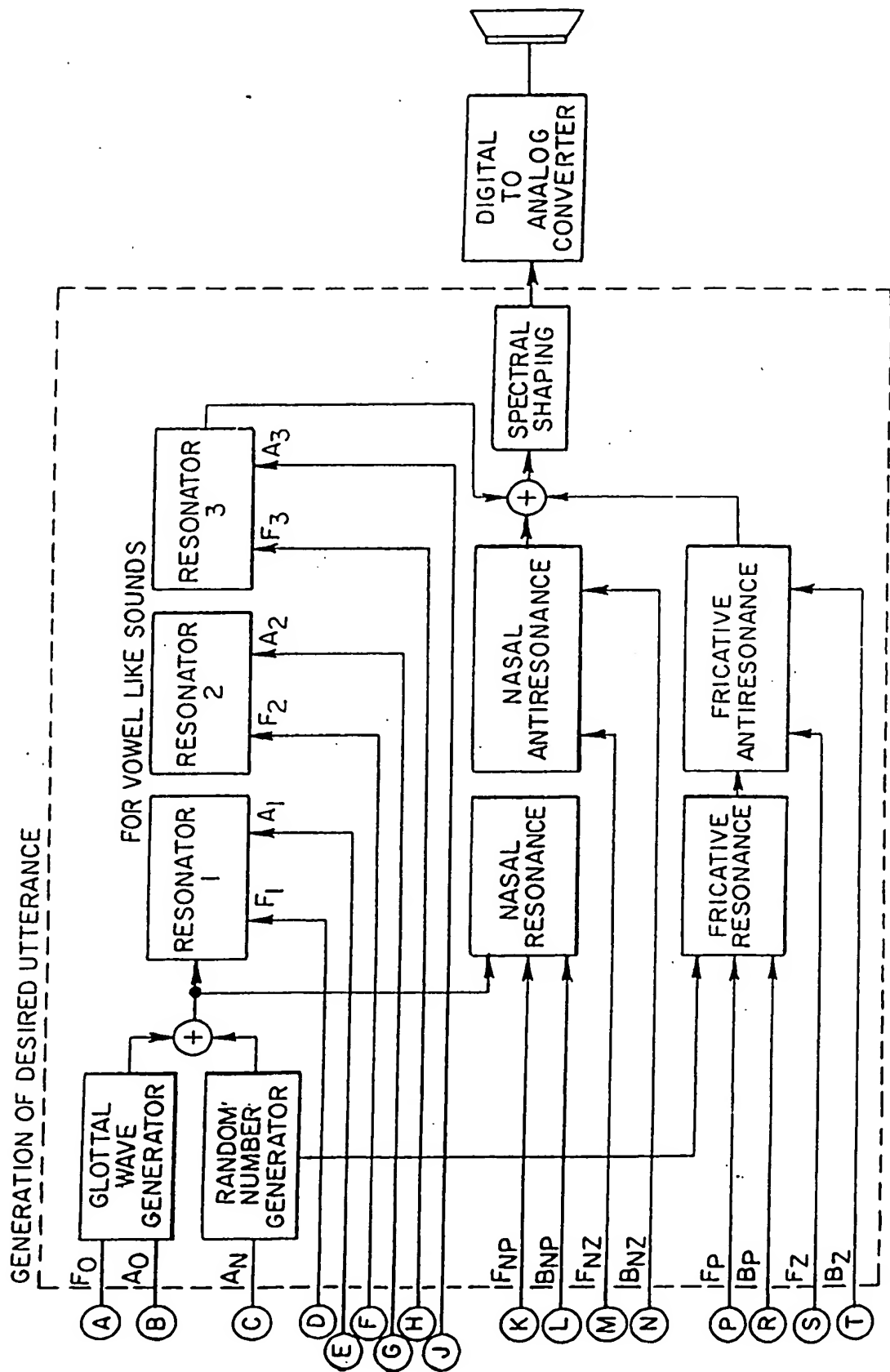
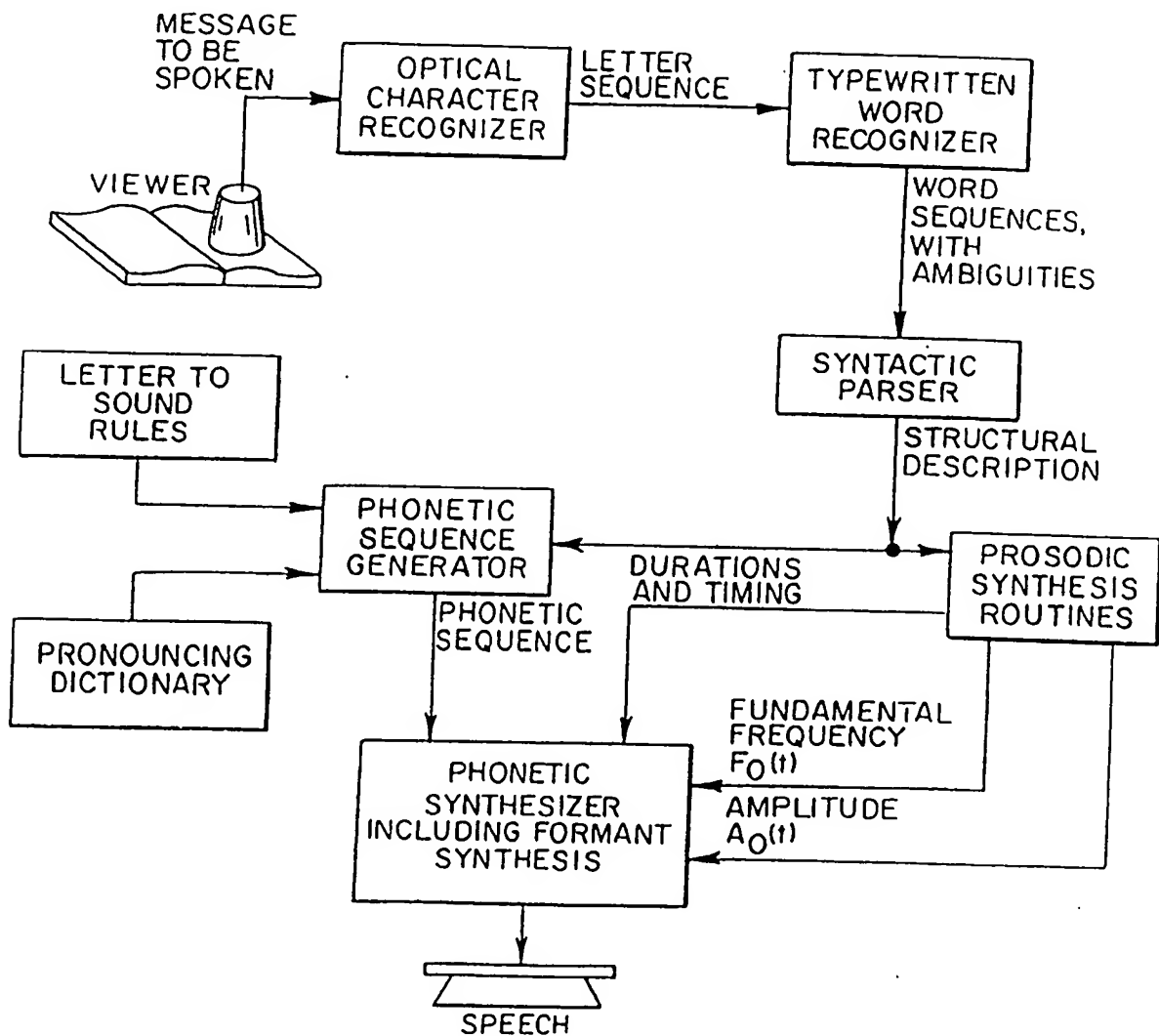


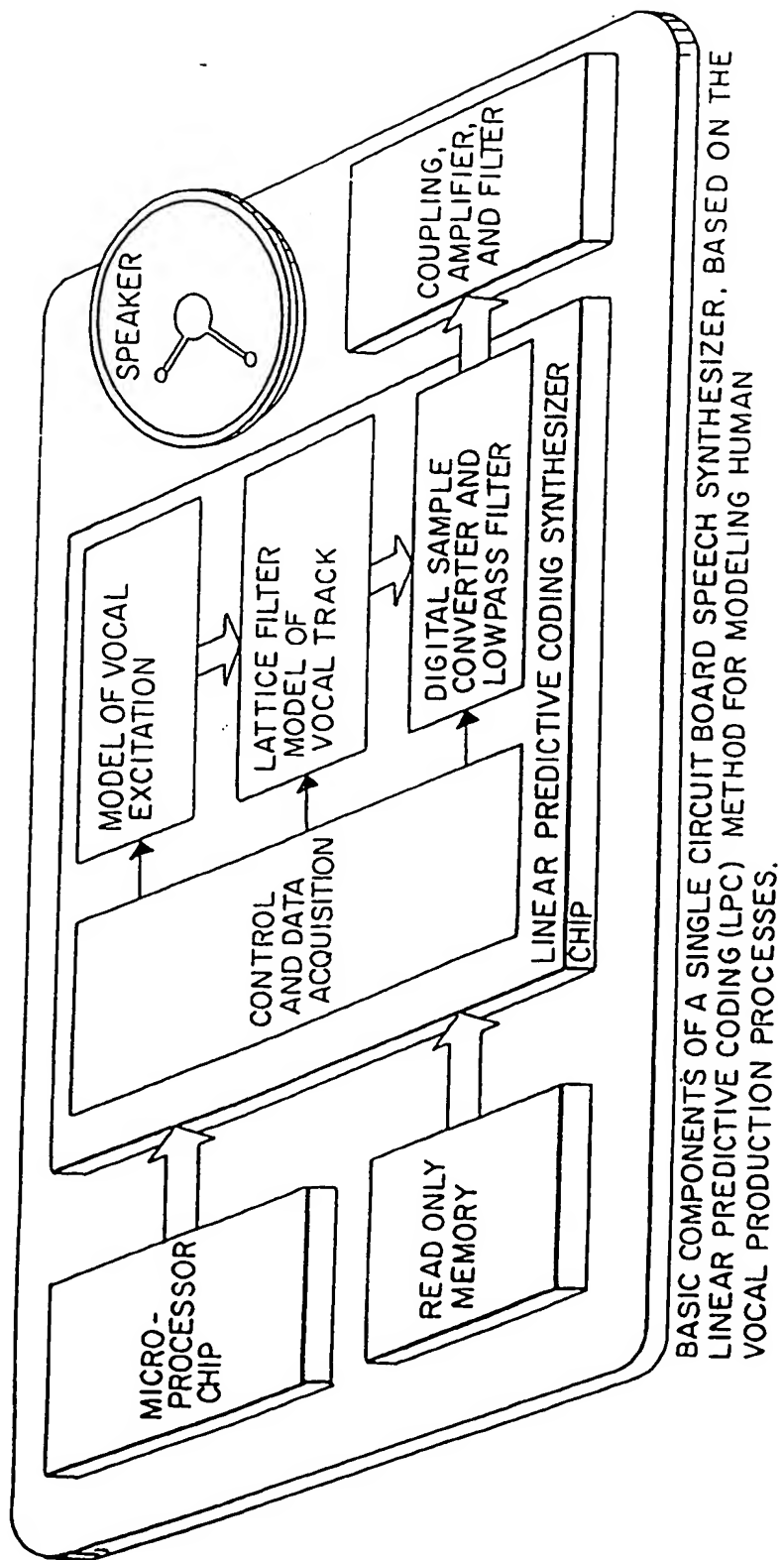
Fig. - 21A (PRIOR ART)

INTERACTIVE VOICE RESPONSE



TEXT TO SPEECH SYSTEM FOR GENERATING COMPLEX SENTENCES WITH LARGE VOCABULARIES

Fig.-21B (PRIOR ART)



BASIC COMPONENTS OF A SINGLE CIRCUIT BOARD SPEECH SYNTHESIZER, BASED ON THE LINEAR PREDICTIVE CODING (LPC) METHOD FOR MODELING HUMAN VOCAL PRODUCTION PROCESSES.

Fig.-22

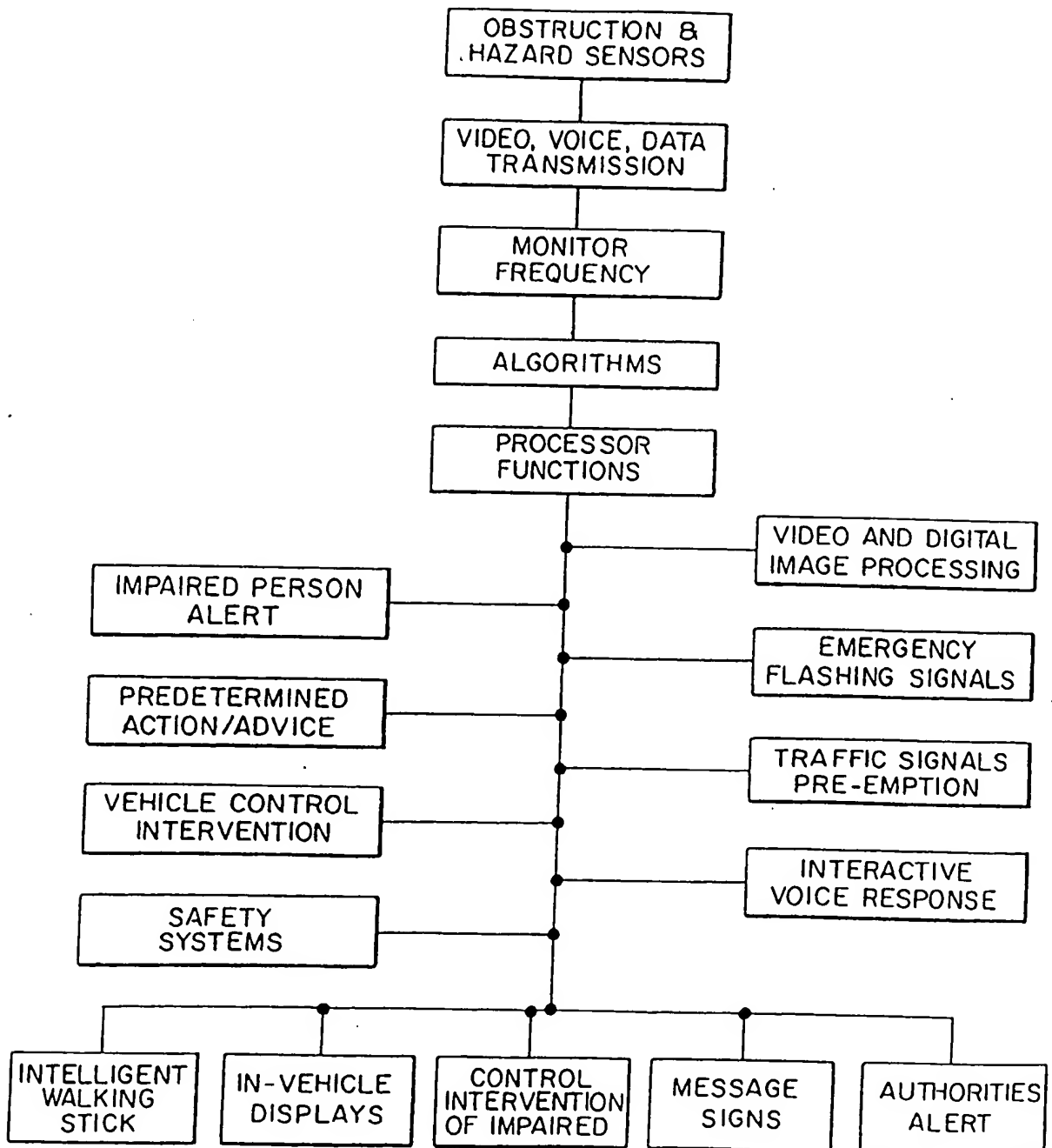


Fig.-23

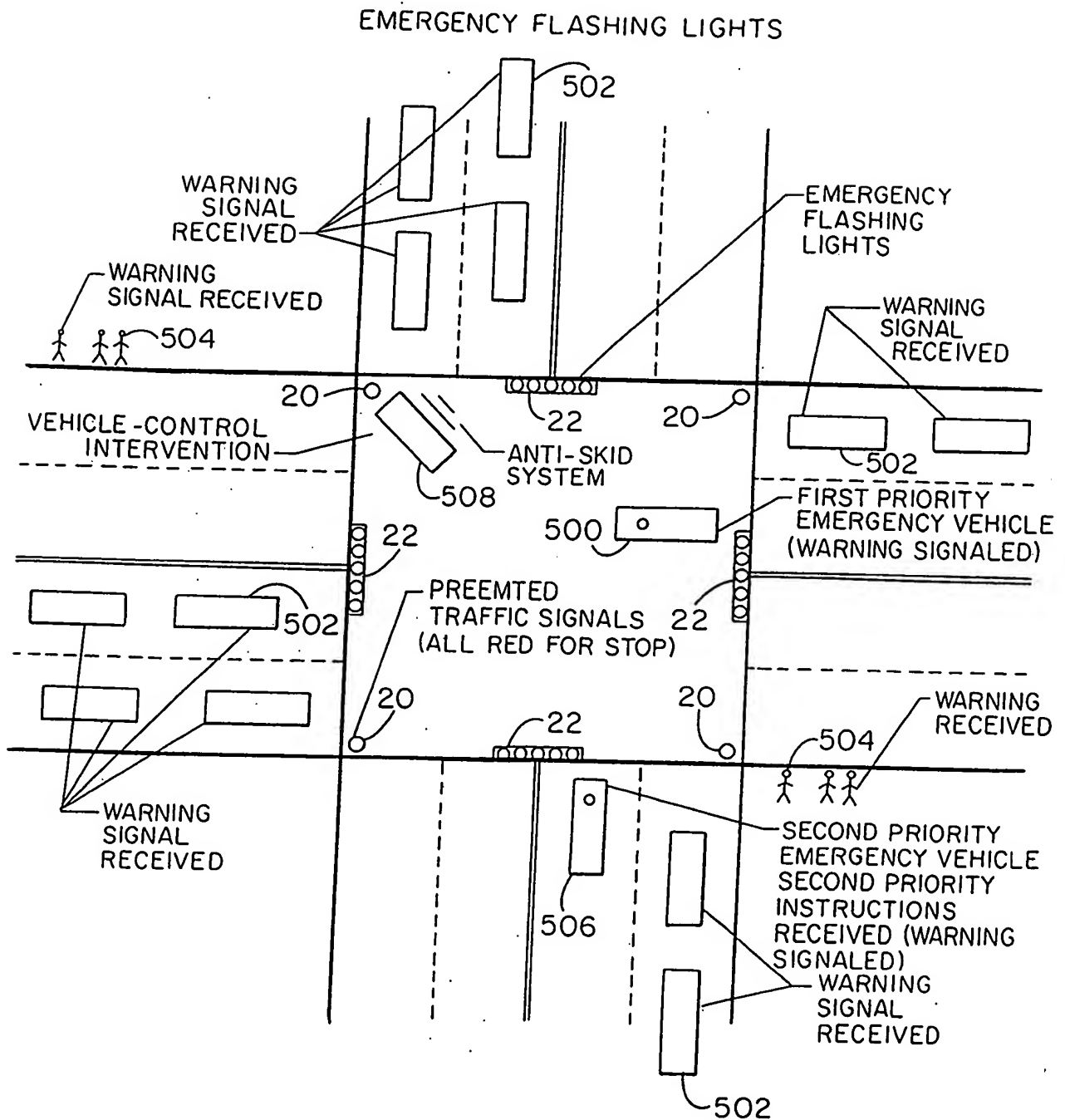


Fig.-24

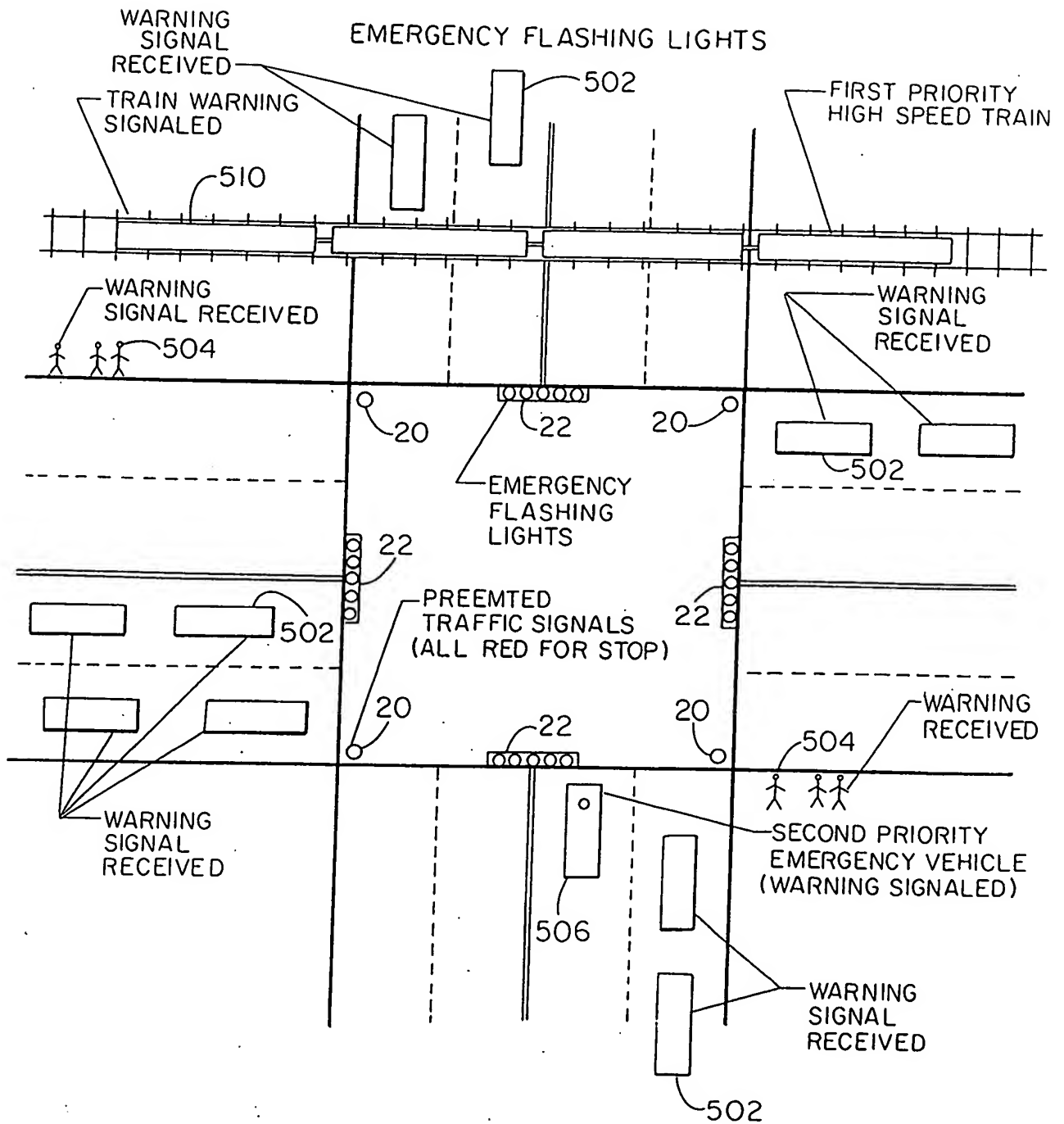


Fig. 25

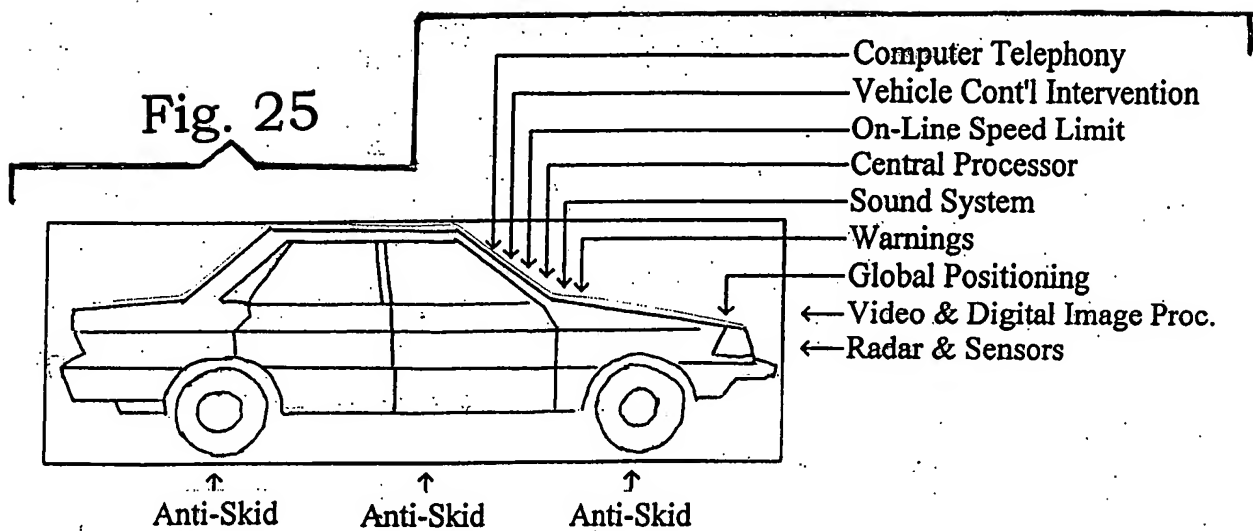
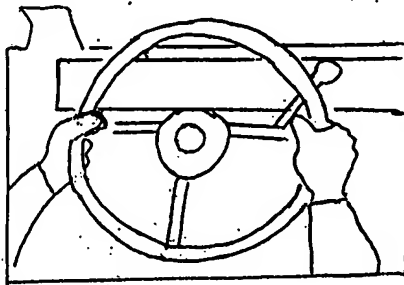
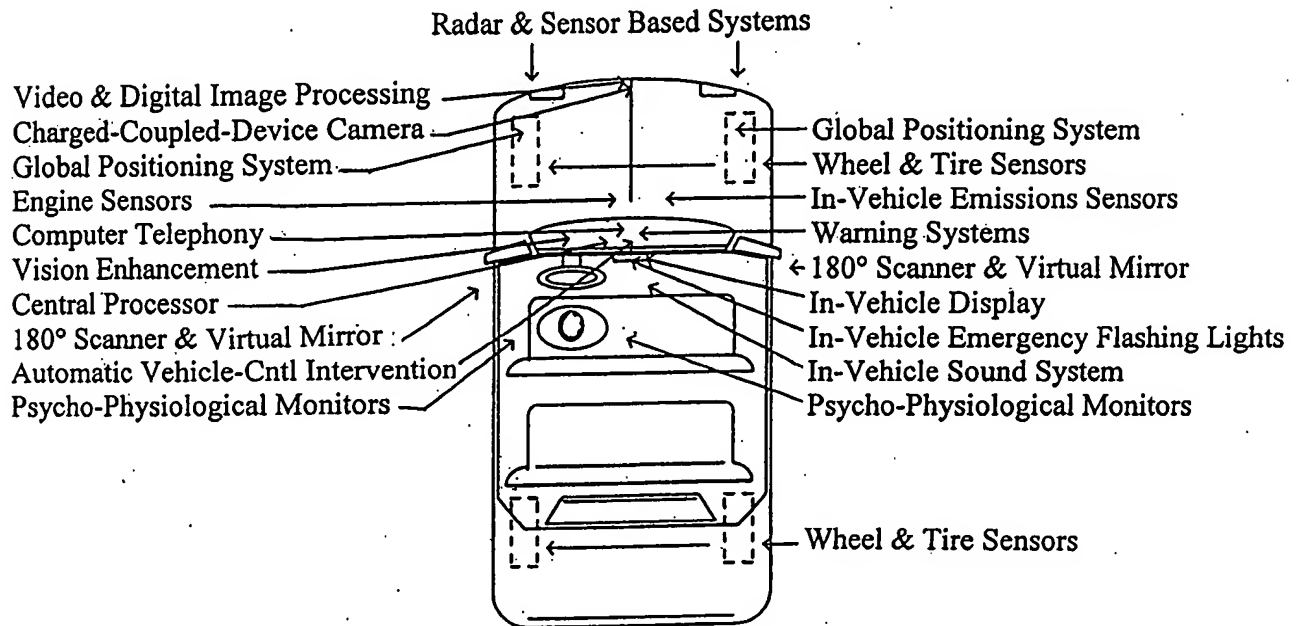


Fig. 26

INTELLIGENT VEHICLE — SAFETY READINESS



← Steering Monitor
← Lane Change Monitor



Braking Monitor→
Throttle Monitor→

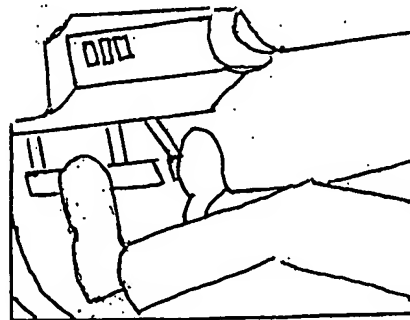


Fig. 27

INTELLIGENT VEHICLE

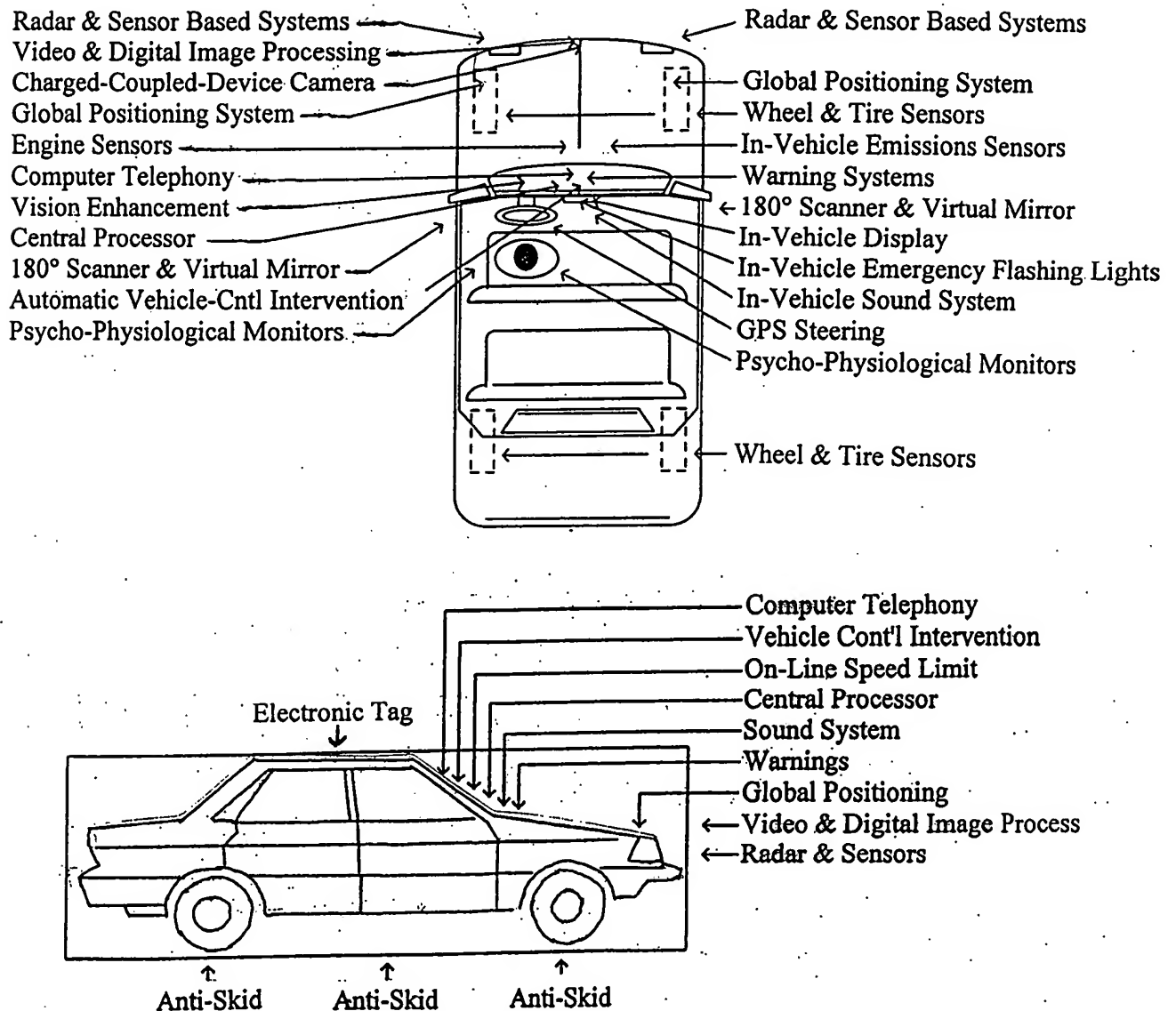


Fig. 28

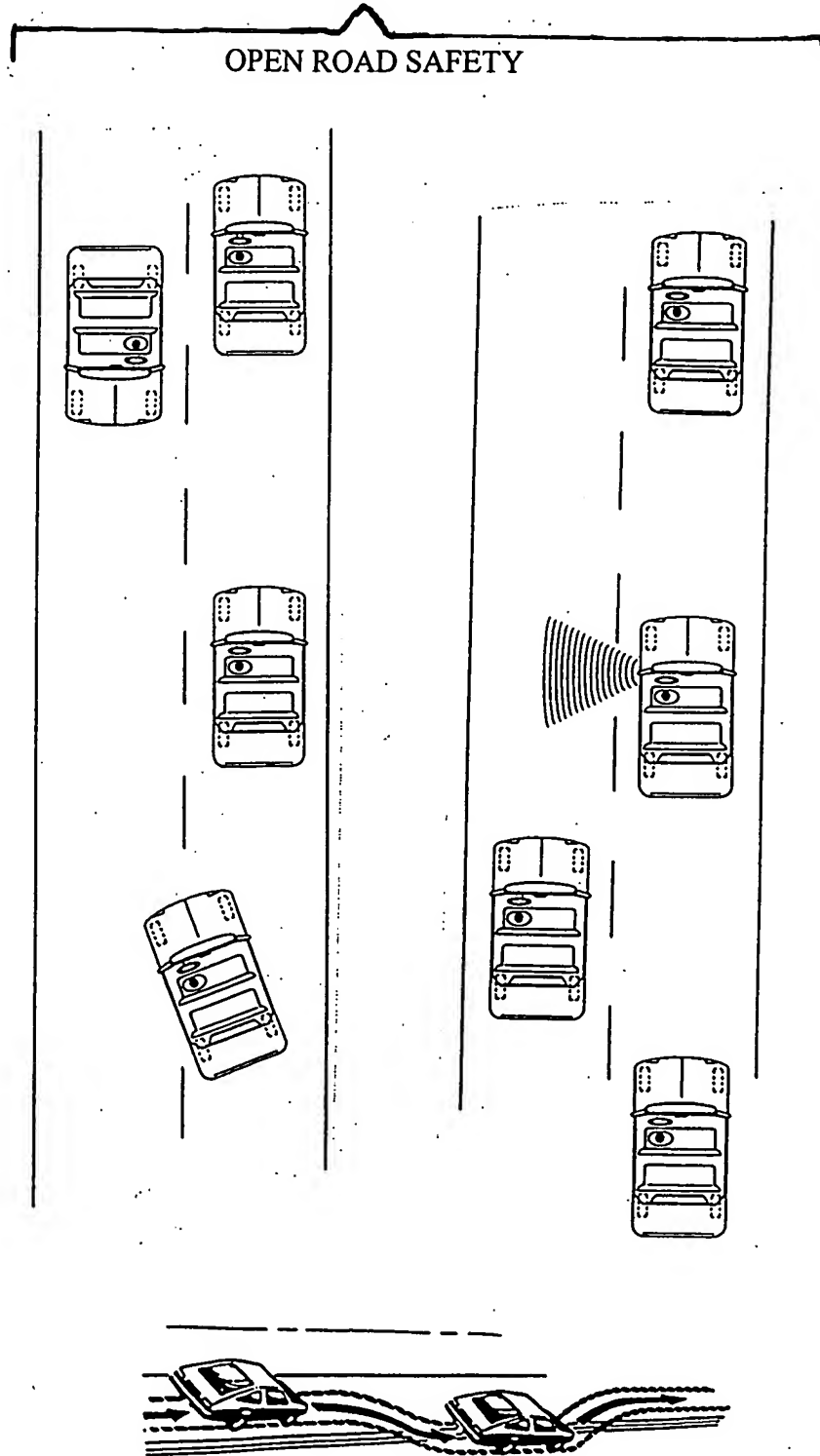


Fig. 29

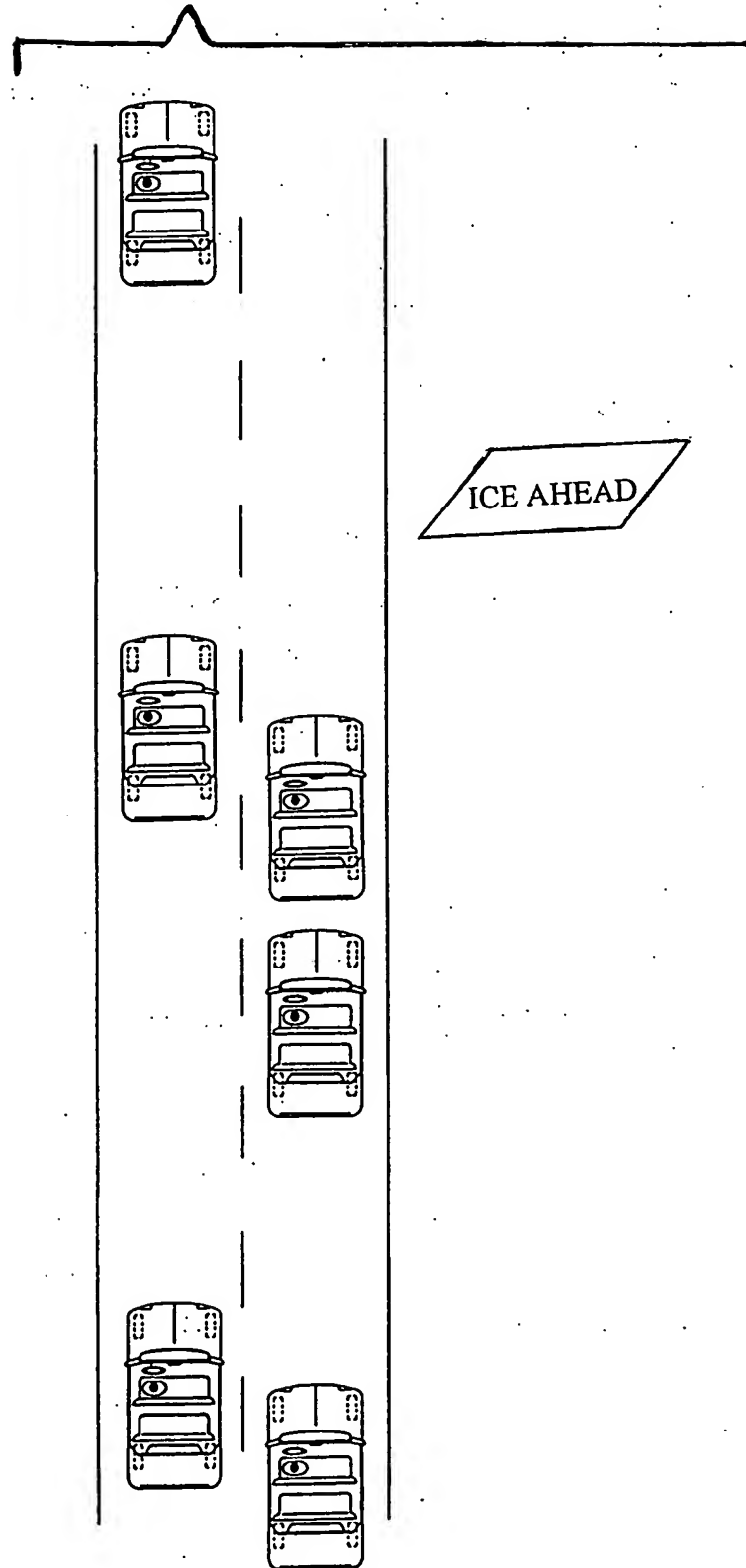
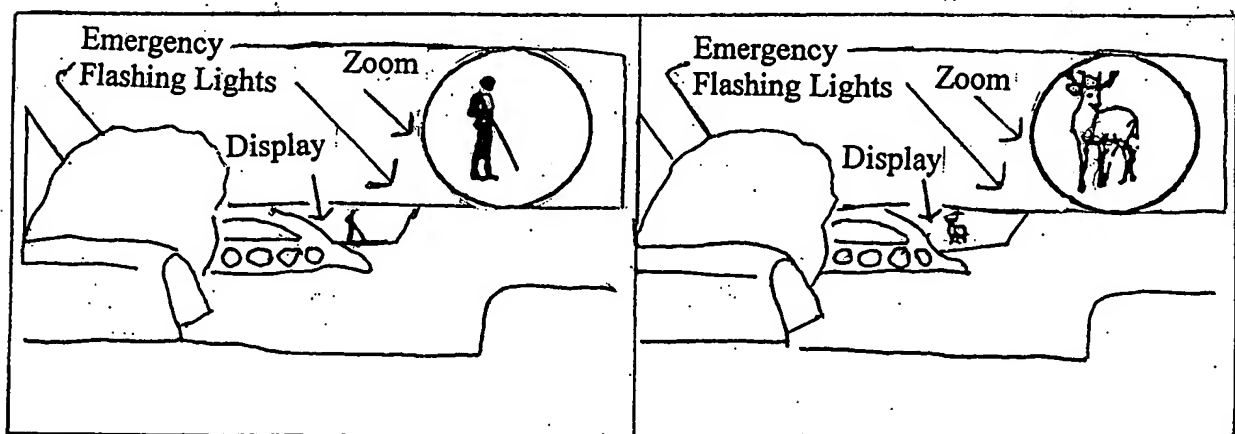


Fig. 30



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